NCEdCloud IAM Service Update
General Summary

- **Competitively RFP bid** awarded to Identity Automation in April 2013 to provide a **statewide identity and access management cloud service** that provides every K-12 student, employee, and parent in NC a single account to access all educational learning resources.

- The IAM Service was one project in the NCEdCloud Program started in 2010
  - US ARRA > US DOE RttT > NC Governor’s Office > NCDPI > NCEdCloud @ NCSU/Friday Institute
General Update

- **Quick Stats**
  - ~2.5 million total accounts (with ~2.3 million active users)
  - Average daily logins: ~500,000
  - Total number of application integrations: ~3,000
  - Over 300 individual LEAs part of service across State

- **Major updates/trends**
  - Integrating more target applications (10 / contract year)
  - More local implementations and outside interest
  - Support organization transitioned from MCNC to NCDPI
  - Continuous refinement across entire service
General Update

- **Moving Forward (NEW Contract Year 4-5)**
  - Continued Operations, Support, and Maintenance
  - Guardian Accounts
  - Continued Target Applications integration/refinement
  - Shifting from coarse to more granular controls
  - More multi-valued attributes support
  - Different authentication options/methods used
  - External data processing refinement
  - **Cost is ~$0.80/student/year**
NCEdCloud IAM Service
Background
What is the NCEdCloud IAM Service?

A **statewide** identity and access management cloud **service** that provides every K-12 student, employee, and parent in NC a **single account** to access all educational learning resources. In addition, it provides **self-service** capabilities to all end users and **delegation capabilities** to all LEA and Charter School administrators.
General Timeline

- **2010:** The IAM Service was one project in the NCEdCloud Program started in 2010
  - US ARRA > US DOE RttT > NC Governor’s Office > NCDPI > NCEdCloud @ NCSU/Friday Institute
- **2010-2012:** IAM Research and Planning
  - Statewide interviews with all LEAs (9 months)
  - Engaged with 40+ vendors
  - Created IAM User Group
- **2012-2013:** RFP Procurement (13 months)
  - April 1, 2013: Competitive RFP bid was awarded to Identity Automation
Year 1 - Build and Deploy

- Contract Year 1 (April 1, 2013 - April 1, 2014)
  - 5 Phases - Assessment, Design, Build, Test, Deploy (pilots)
  - IAM Service went into production on January 1, 2014

- 5 Target Applications
  - Google Apps for Education
  - MCNC Zscaler Web Security
  - CDLR (Central Directory Local Replica)
  - Follett Destiny
  - Discovery Education
Year 2 - Operations and Support

● Contract Year 2 (April 1, 2014 - April 1, 2015)
  ○ Continued Year 1 application integrations, support, and maintenance

● Home Base Applications
  ○ Home Base - Pearson OpenClass
  ○ Home Base - PowerSchool (NC SIS)
  ○ Home Base - Pearson SchoolNet
  ○ Home Base - TNL (NCEES)
  ○ Home Base - NC Learning Object Repository
  ○ Home Base - Instructure Canvas
Year 3 - Operations and Support

● Contract Year 3 (April 1, 2015 - September 30, 2016)
  ○ Continued Year 1 application integrations, support, and maintenance
  ○ Continued Year 2 application integrations, support, and maintenance

● 10 New Target Applications
  ○ BloomBoard
  ○ PCG Student Survey
  ○ Many others…
Year 4/5 - Operations and Support (NEW)

- Contract Year 4/5 (October 1, 2016 - September 30, 2018)
  - Continued Year 1 application integrations, support, and maintenance
  - Continued Year 2 application integrations, support, and maintenance
  - Continued Year 3 application integrations, support, and maintenance

- 10 New Target Applications
  - TBD

- Guardian Accounts
NCEdCloud IAM Service
Brief Technical Overview
Logical Architecture

Endpoints
- Text Files
- Database
- Directory
- Email
- API
- Cloud App

Endpoints
- Cloud App
- Windows Folders

User
- RapidPortal
- RapidConnect
- Identity
- RapidFederation
- RapidFolders
Cloud Architecture
Contact

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