



NCEdCloud Update

Phil Emer

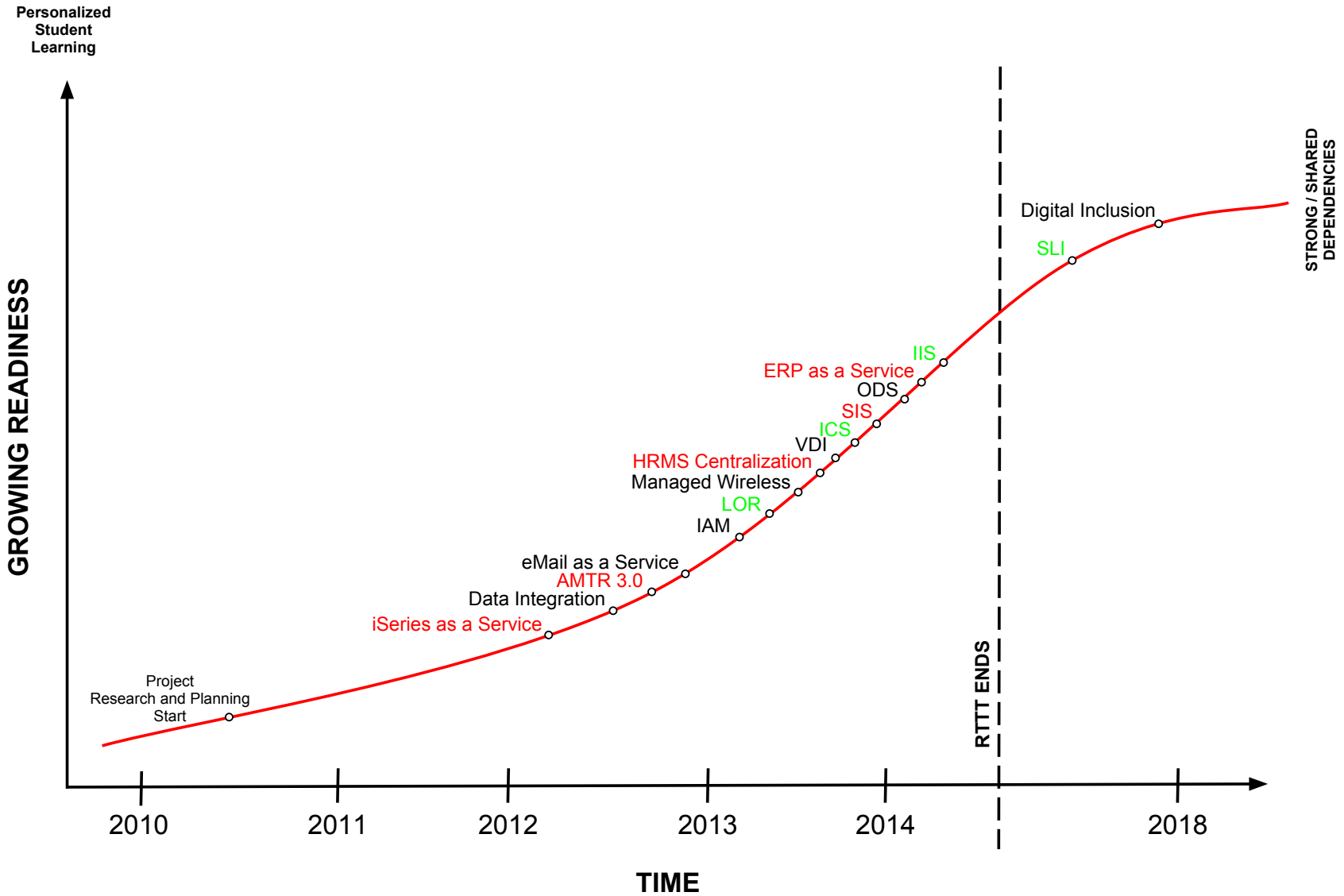
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March 7, 2012

IIS, Shared Learning Collaborative, and Cloud

- **The vision of IIS and of Gates SLI is the same.**
 - Namely - personalized learning
 - More specifically, bringing data and content together to support personalized learning
- **The Gates SLI platform includes:**
 - A data integration service
 - A curriculum mapping service – “learning maps”
 - An application store model (sort of)
- **NC Education Cloud platform addresses data and content integration issues in a more NC-focused way**
- **NC Education Cloud enterprise services support Readiness**

NC RttT Project Deployment Roadmap



BLACK - Cloud/Enterprise

RED - Other RttT / Instructional

GREEN - Business Operations



Enterprise Services

Dave Furiness and Associates
MCNC

Enterprise Services Overview

- **General Service Requirements**
 - Benefit to the community
 - Commercially available service
 - Financial Analysis/ROI
 - Provides features/functionality that are required to effectively use Instructional Content Systems and IIS
 - Complementary to Instructional Content Systems and IIS
- **General Service Types**
 - Consortium Purchase/Convenience Contract
 - Engineering Support and Service Integration
 - Managed Shared Service
- **Financial Considerations – LEA Spending Baselines**
- **Resource Planning**

Enterprise Services Project Summary – Q1/Q2 2012

Project	Lead	Phase 1 Deliverable	Completion Date
Student access to end-user devices			
BYOD Strategies	Frank Jou	Recommended Practices	April 13, 2012
Desktop Virtualization – remote hosted desktops and remote virtual applications	Frank Jou	Feasibility Study	April 20, 2012
Mobile device management (MDM)	Consultant	Market Study	April 13, 2012
Desktop malware protection	Dave Furiness	Request for Proposal	April 27, 2012
Sustainable infrastructure			
Wireless services and management	Dave Furiness	Feasibility Study	April 27, 2012
Hosted IP Telephony	Don Smith	Market Study	April 13, 2012
Server virtualization/IaaS	Dave Furiness	Feasibility Study	June 30, 2012
Enterprise applications			
Email/Collaboration	John Warf	Google Apps Migration Support	On-going
Email/Collaboration	John Warf	Google Apps Administrator Training Course	April 20, 2012
Performance monitoring/management			
Performance monitoring/management – end user application performance management, and network monitoring and analytics	Frank Jou	Service Architecture	June 15, 2012



Identity & Access Management and Data Integration

Sammie Carter
NCSU Friday Institute



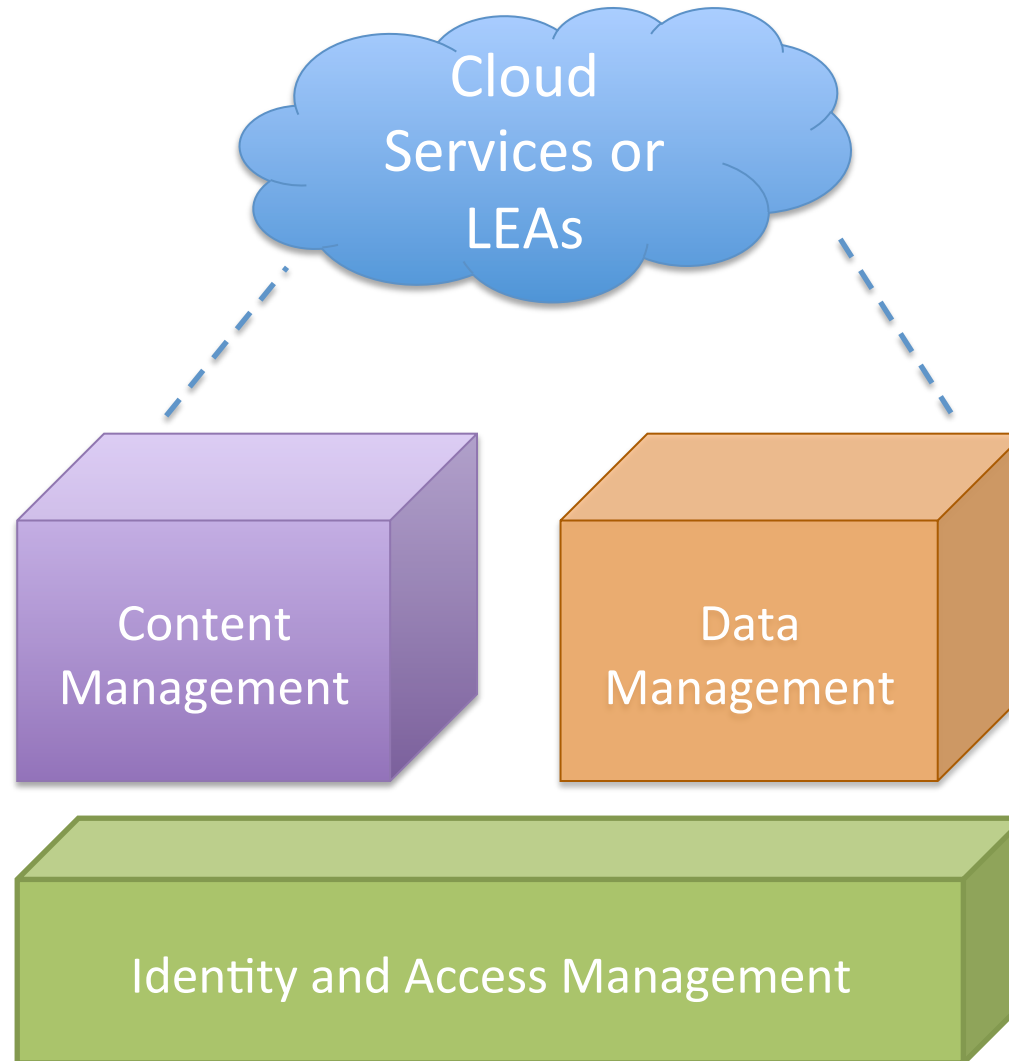
Instructional Content Services

James Robinson
NCSU Friday Institute

Instructional Content Services Overview

- **Objectives**
 - **Provide stakeholders 24/7 web access to NCEdCloud learning resources:**
 - **Course Content, Digital Textbooks, Supplemental Resources, Lesson Plans, Assessments**
 - **Equitable Access to Content**
 - **Define services and processes for state procured (created, free or purchased) content to be accessible to all educators.**
 - **Sustainable Service Model**
- **ICS Components**
 - **Learning Management System(s)**
 - **Learning Object Repository**
 - **Collaborative Tools**

NCEdCloud - Tying It All Together



ICS Project Summary – Q1/Q2 2012

Project	Lead	Phase 1 Deliverable	Completion Date
Learning Object Repository			
EQUELLA License Renewal	Jon Sweetin	RFQ Document	March 8, 2012
Project Plan	James Robinson	Resource Plan	March 12, 2012
EQUELLA Pilot	James Robinson	RFQ Document	March 19, 2012
EQUELLA License Renewal	Wanda Barker	Approved/Signed Contract	May 18, 2012
Content Tagging	Randy Craven	ThinkFinity Lesson Plans	June 30, 2012
Learning Management System(s)			
LMS/ICS Contract(s) from IIS RFP	Ben Comer	Request for Proposal	Feb. 27, 2012



Data Analysis

Lee Sartain

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Automated Collection



Agent or IP Based
Asset Management
Tool



SNMP Network Collection

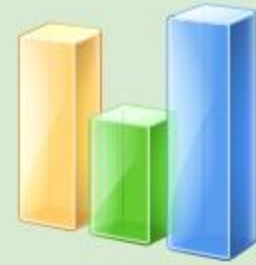


Batch Collection of
Relevant Reports

Manual Survey



User Interface



Analytics Tools



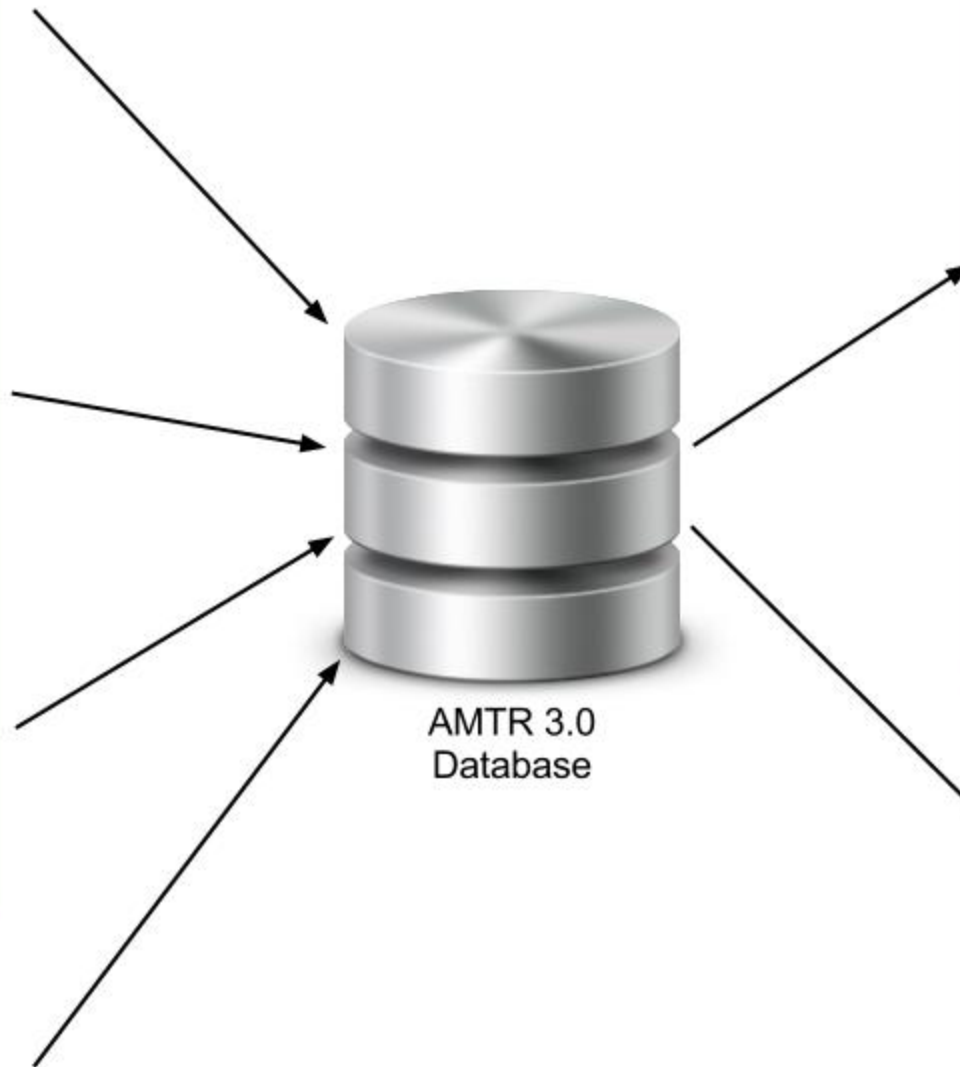
Ad Hoc
Reporting Tool



AMTR 3.0
Database



CEDARS LDS





Discussion