Data Collection & Analysis Webinar
NC Education Cloud
April 6, 2011
Agenda

• Overview and follow-up from NCTIES discussions
• SAS K-12 onDemand Demo
  • Michael Drutar, SAS Institute
• LEAs using Data Analytics today
  • Betty Weycker, Winston-Salem/Forsyth Schools
• Short, Mid and Long Term Goals
• Introduction of the LEA Working Group
RttT Technology Snapshot

End Users (Students, Teachers, Staff)

- NCVPS $6M
- IIS $24M
- Admin Apps
- User Devices $25.5M
- LEA Network $48.5M
- LMS/CMS $10.8M
- Learning Objects Repository $1.7M
- Collaborative Tools $4.4M
- Identity Management $1.2M
- Shared Infrastructure $11.2M
Cloud-Enabled LEA

Mobile Devices

Desktops & Lab PC's

Network Appliances

Enterprise Class Wireless AP's

PoE Switch

WAN Connection

School Router

Other Schools

Administrative Sites

LEA Local Services

LEA Router

Directory Structure determines access privileges

Services Available TODAY Through The Cloud

Directory Structure

Storage Pools

Web servers

LMS

Media & Content

Email & Collaboration

Firewalls & Filters

Administrative Apps

Application Delivery

VoIP Call Managers

Wireless Controllers/Network Mgmt
NC Education Cloud end game...

- LEAs pay substantially less as part of a buyers’ consortium
- A shift in emphasis from technology support to instructional support
- Increased IT efficiency – fewer more highly utilized servers and other resources
- Increased service reliability – servers hosted in professional data centers with backup, DR, and service level guarantees
A District Deploying an Infrastructure and Platform to meet its strategic goals on their own

A District With No Change In IT Spending or Operating Model
Infrastructure Systems
Costs over time

District With Extensive Infrastructure

District With Basic Infrastructure

Build/Migrate  Operation
Platform Systems
Costs over time

Small District

Large District

Cloud

Build/Migrate

Operation
Operational Model
Costs over time

Cloud

One Time Spending Capital Investment
E-Rate Eligible Services
Collaborative Procurement
Cost Avoidance
Cost Reduction
Flexible Funding Models

Build/Migrate
Operation
Business Intelligence as a Service
Michael Drutar

**DEMO: SAS K12 ONDEMAND**
LEAS USING DATA ANALYTICS
Short Term Goals

• Automate the data dump from DPI systems to the business intelligence platform
• Provide K12 onDemand to all 115 LEAs
  • Pre-provisioned accounts for key leadership
Mid and Long Term Goals

• Develop additional reports and visualization tools based on user feedback
• Integrate system into the IAM System
  • Role Based access: Central Office, Principal, Teacher
  • Reporting beyond the LEA: DPI, SBE, NCGA, Governor’s Office
• Integrate AMTR and TCO into the platform

• Add the ability for LEAs to do peer analysis
• Integrate other relevant systems into the data analysis
  • Transportation, Enrollment, HR, etc
Working Group (So far)

- Judy Dorety
  Lexington City
- Hoey Crain
  Raleigh Charter
- Debbie Core
  Gaston County
- Betty Weycker
  WS/Forsyth
- Alicianiah Hossein
  Weldon City
- David Kafitz
  Union County
- Chris Young
  Cumberland County
- Julie Cozort
  Alamance-Burlington
- Pam Schiffman
  Iredell-Statesville
- Patti Freeman
  Cabarrus
- Jeff Pittman
  Harnett County
- Dawn Brinson
  New Hanover
- Dawn Castonguay
  Wake County
Messaging

- Web site—place for FAQ, Guidelines, Presentations, Organization, Team members, news, links to DPI & others: http://cloud.fi.ncsu.edu
- LEA Working Group
- LEA site interviews
- Email Questions to cloudhelp@ncsu.edu