



SSAC Update

12.13.2011

NC Education Cloud SSAC Update

Recall the Cloud Strategies

1. **Cloud-centric IT enterprise**
2. Shared Learning Infrastructure
 - Identity and Access Management
 - **Instructional Content Services**
3. Modernize business operations
 - i-Series RFP in final BAFO
 - HRMS centralization request from steering comm.
4. Dedicated support organization
 - eLC, SBE, GETC approvals in hand
5. Digital Inclusion



Project Update

Enterprise Services – qualifying the opportunities

- Benefit to the community – addresses significant challenge(s)
- Required to effectively use IIS or Instructional Content Systems
- Financial Analysis/ROI – funding opportunities
- Deployment level of difficulty/effort
- Complementary to IIS and Instructional Content Systems – aligns with vision/strategy

Enterprise Service Opportunities

- Solving the client device problem
- Local connectivity – sustainable infrastructure
- Enterprise applications
 - Web hosting
 - Email
 - IP Telephony
- Performance monitoring/management

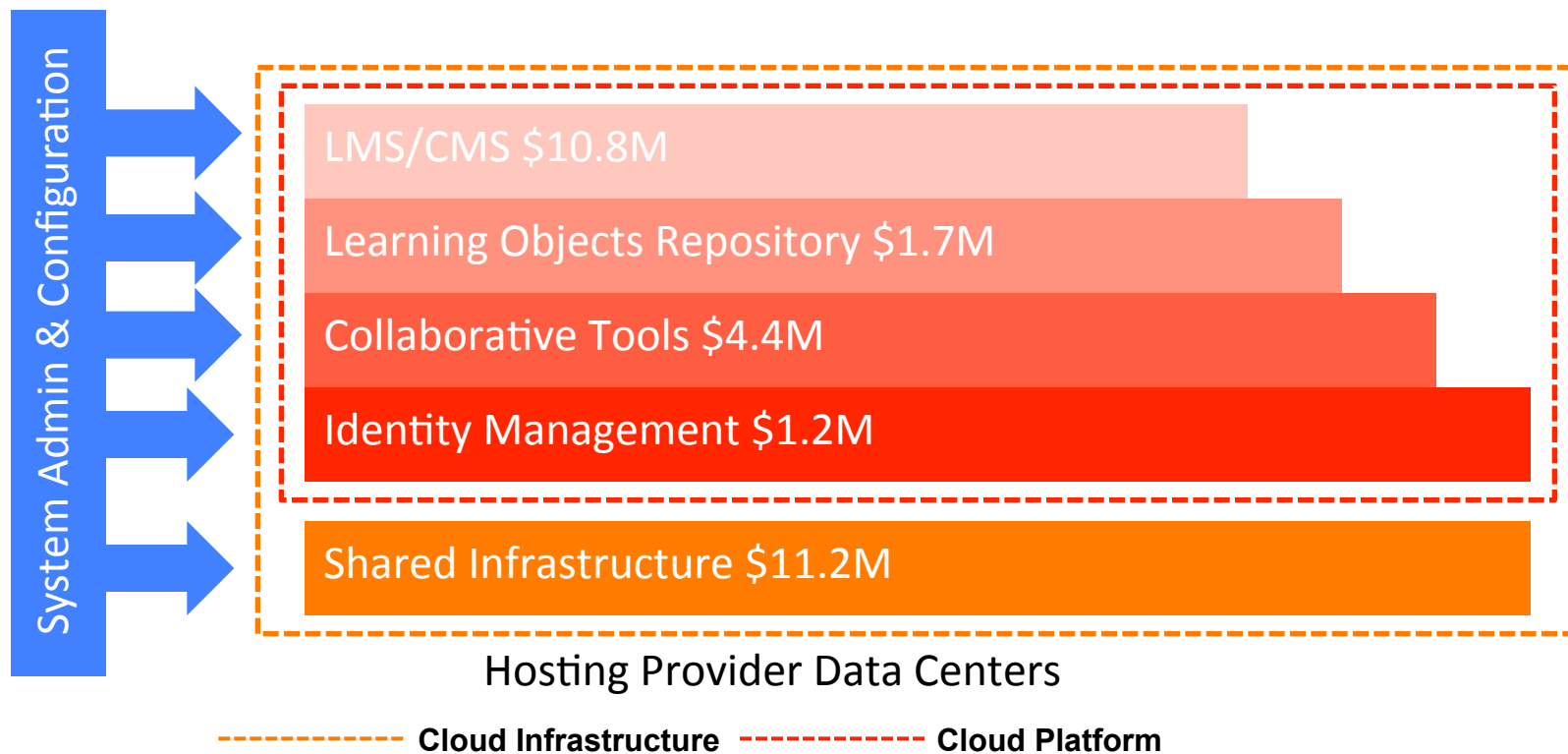
NC Education Cloud Instructional Content Services

Project Update

12/15/11

NC Education Cloud Instructional Content Services

NC RttT Technology Snapshot



Background

LMS/CMS

+ Collaborative Tools

+ Learning Object Repository



Instructional Content Services

Challenges

1. Poor access to data and resources.
2. Integration, migration and provisioning of data and resources into and from services/tools.
3. Access to new learning and collaborative tools that are affordable.

NC Education Cloud Instructional Content Services

Vision

NC teachers will have access to modern services to assist with online content discovery, creation, delivery and instruction in traditional classroom and distance learning environments.

Resource Sharing

Equitable access to educational resources.

Define services and processes for state procured (created, free or purchased) content to be accessible to all educators.

NC Education Cloud Instructional Content Services

Service Model 1

LEA Self-Hosted LMS

Content Repository

NC Education Cloud Instructional Content Services

Service Model 2

LEA Cloud-Hosted LMS

Content Repository

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Service Model 3

NCEdCloud Service

Content Repository

NC Education Cloud Instructional Content Services

Service Provisioning

NCEdCloud provided content services will be provisioned with LEA, school, teacher, class, student and parent data.

Plugs in to NCEdCloud Identity and Access Management (IAM) Service.

Financial Planning

Leveraging one time money to pay for service set-up, initial costs and migrations.

Will be ongoing operational costs.

Putting It All Together

There are four initiatives that
comprise the ICS plan.

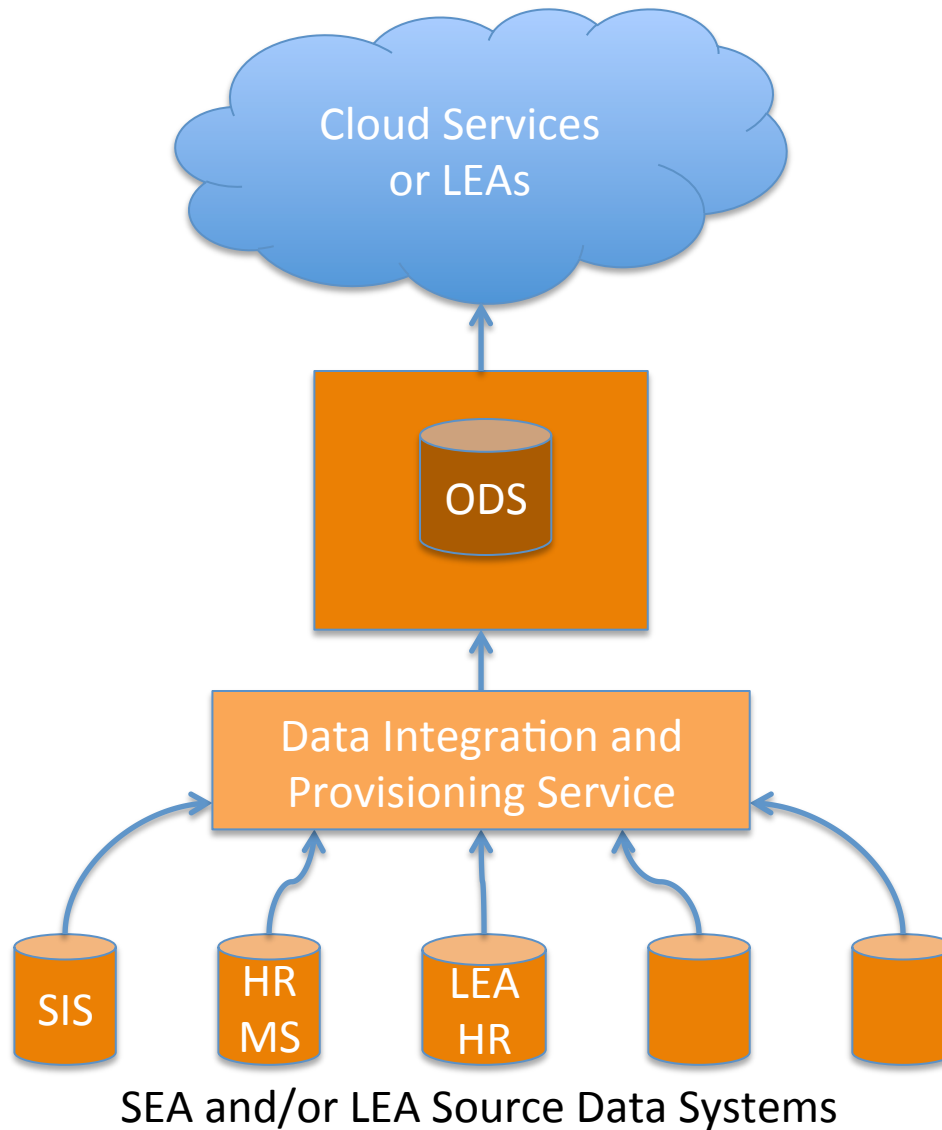
Initiative 1

Create an integration and provisioning platform for data and resources

Initiative 2

Create an Operational Data
Store (ODS) to consolidate data

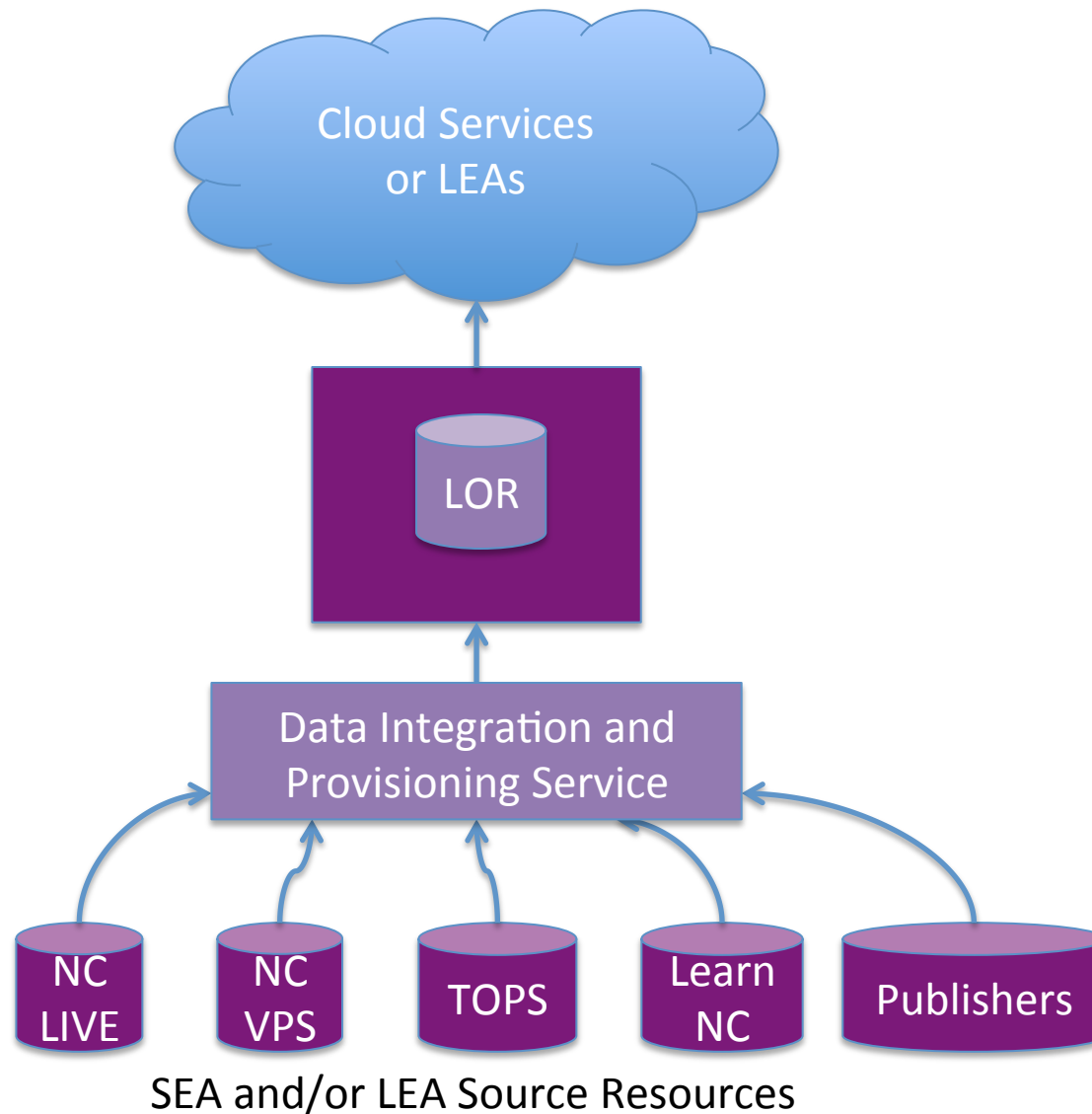
NC Education Cloud ICS Data Integration and Provisioning



Initiative 3

Create a digital learning resource management system comprised of a Learning Object Repository (LOR) and resources

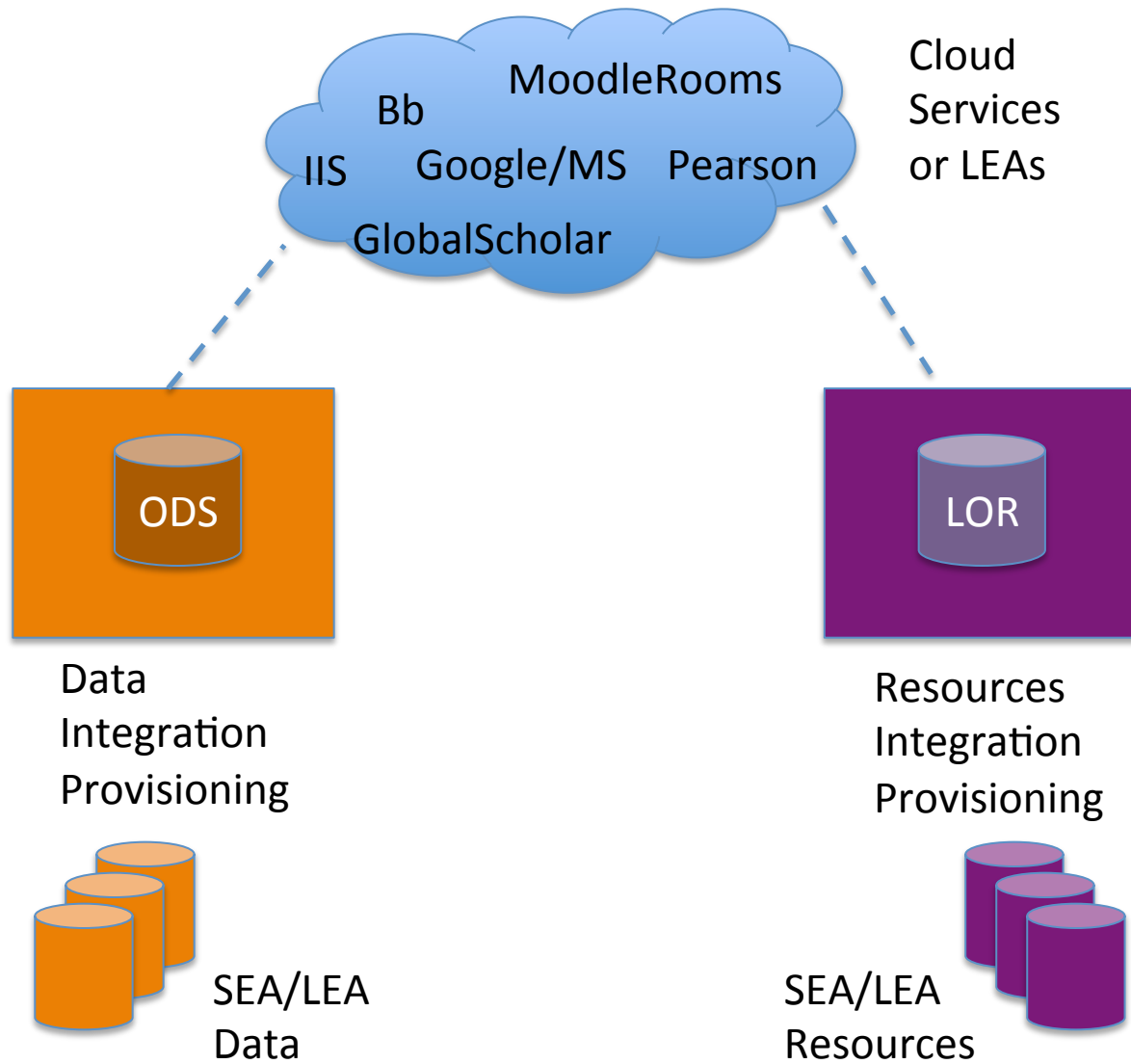
NC Education Cloud ICS Resource Integration and Provisioning



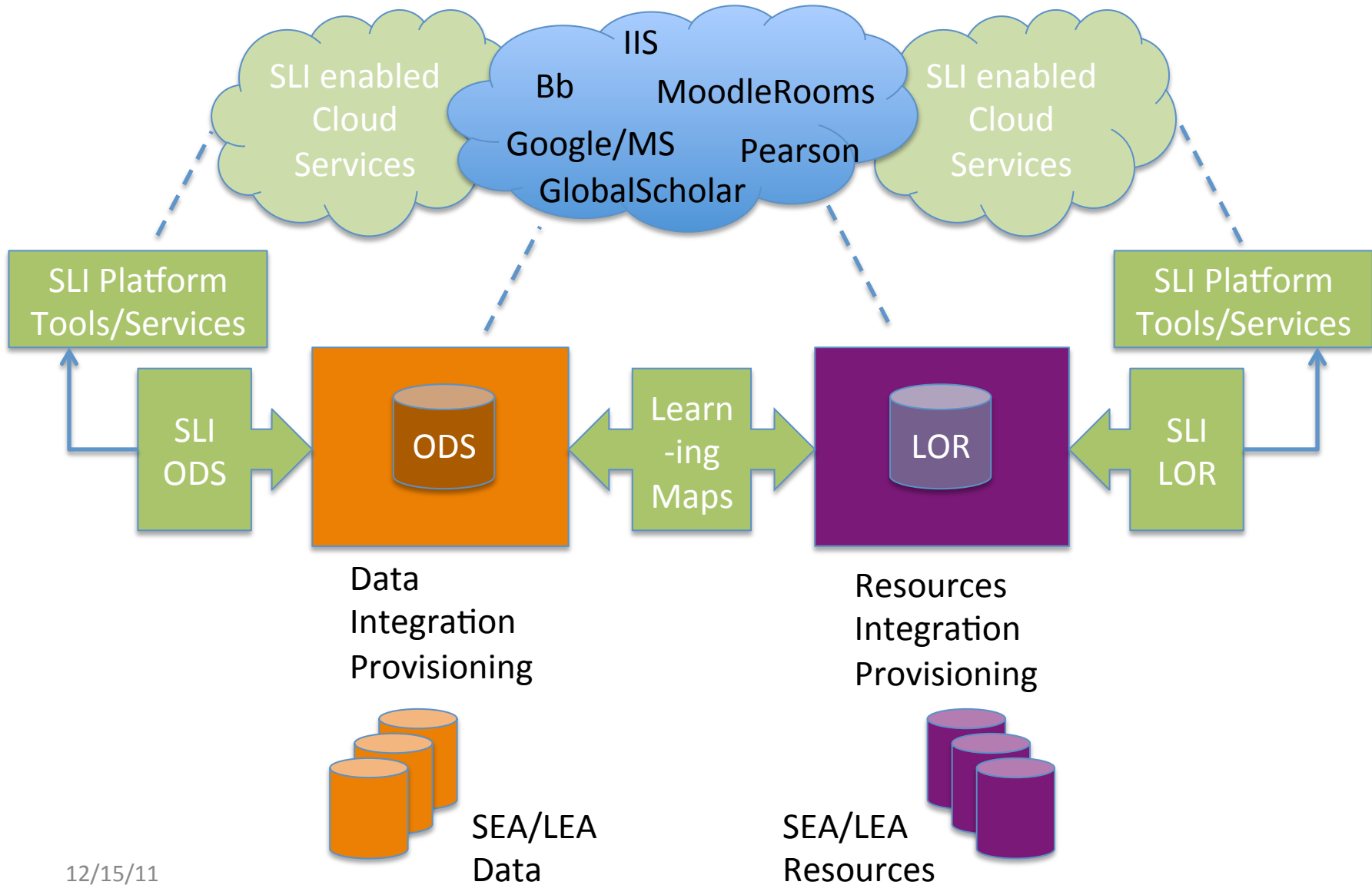
Initiative 4

Create an integration and provisioning platform for learning management and collaborative tools

NC Education Cloud ICS Big Picture 2014



NC Education Cloud ICS Big Picture 2015+



The Work

Specified in 4 Phases...

Phase 1

Planning, research, team building,
and proof of concepts as needed

Phase 2

Establish policy and governance,
service providers, service plan,
procure platform service(s)

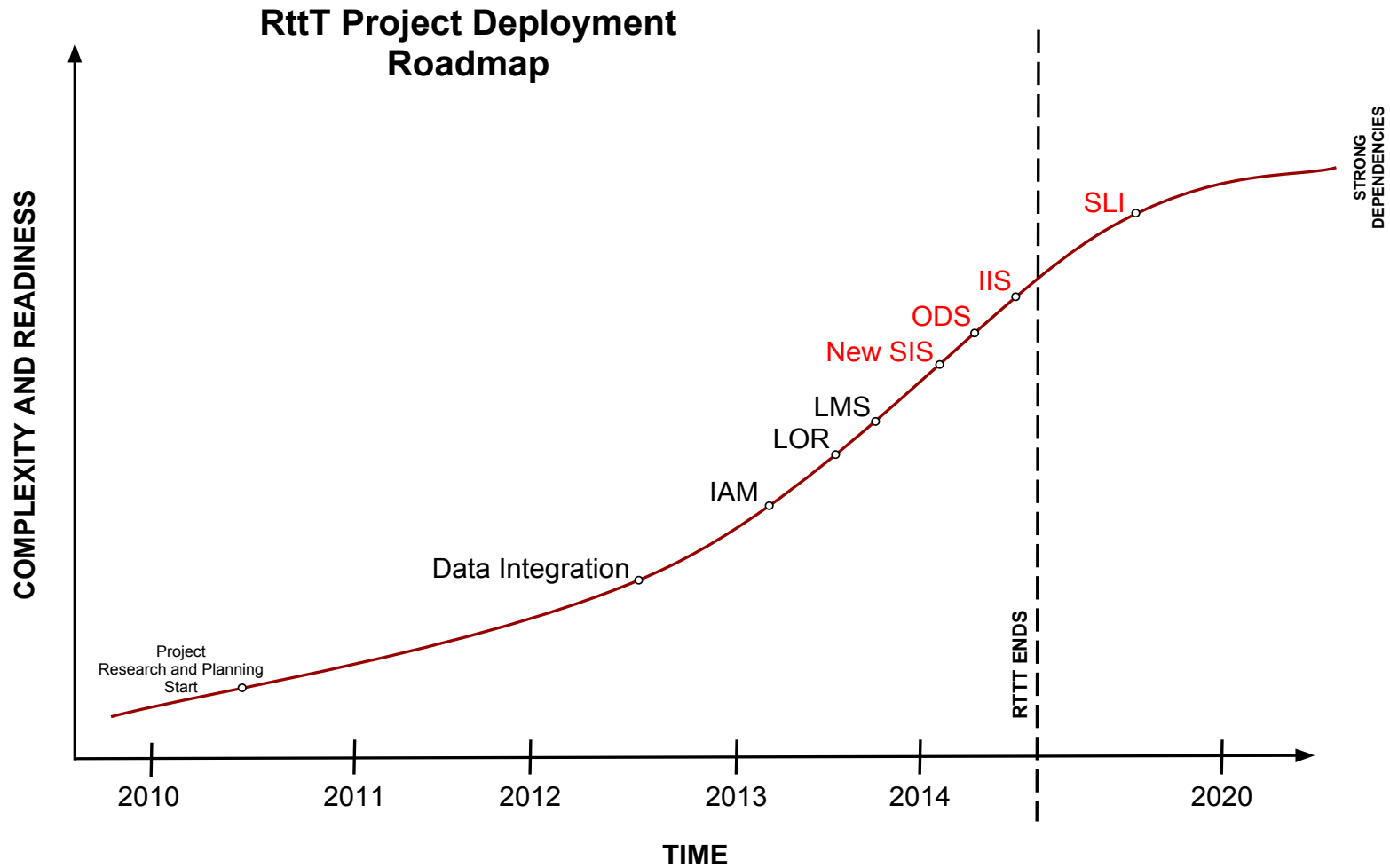
Phase 3

Build and implement services

Phase 4

Full production and operation

NC Education Cloud Project Deployment Roadmap



Items in red are not in this projects scope.