



IOWA DEPARTMENT OF EDUCATION DATA WAREHOUSE: EDINSIGHT

Overview

The transformation of the data infrastructure for the Iowa Department of Education (DE), and to a certain degree the education data infrastructure throughout the state, has begun. As of the beginning of January 2008, the DE entered into a contract with Claraview, Inc., for a data warehouse, a.k.a. EdInsight. EdInsight has a “back end” that will have three sets of data loaded during implementation: Project EASIER, which is student level data; IMS, special education student level data; and Iowa Testing Program student level data. EdInsight will link all these disparate data together for analysis across these domains of information enabling new and meaningful analysis. On the “front end,” different education stakeholders (DE staff, area education agency staff, and local district staff) can access data in preformatted reports and more sophisticated analytical tools, dependent on the user’s expertise and security clearances.

Implementing EdInsight will take over two years. The DE has received federal funding to support outreach to a wide variety of stakeholders to design the preformatted reports and analysis tools. The DE has recently completed a prototype version of the data warehouse. Full blown development of version 1.0 is currently underway and will be completed in March 2009.

Vision

Provide the Iowa education community consistent and accurate longitudinal information on education outcomes and the analytical tools needed to improve decision making and student success.

Goals

1. Provide the education community a single repository of combined data from multiple sources on one common system.
2. Provide tools and training in the use of data for benchmarking and longitudinal and comparative analysis.
3. Empower data driven decision making for education stakeholders.
4. Increase confidence in data by defining and implementing processes to improve data consistency, reliability and quality.

Proposed Timeline

Questions

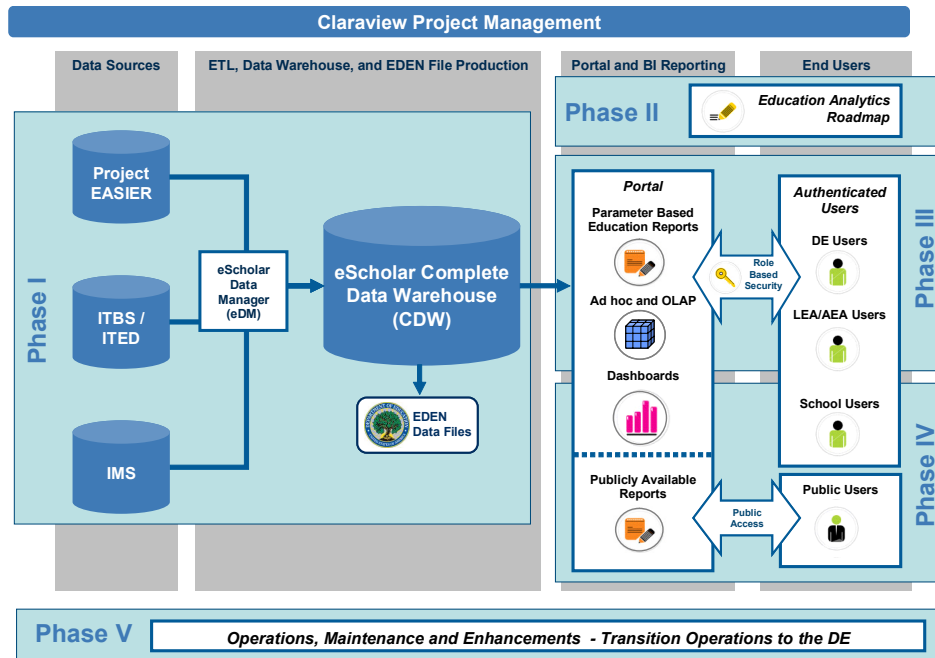
For questions about EdInsight, please contact Jay Pennington (515-281-4837 or jay.pennington@iowa.gov) or Jim Anderson (515-281-6300 or jim.anderson@iowa.gov).

ID	Task Name	Start	Finish	Duration	2008												2009											
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	Project Ramp Up	1/2/2008	2/29/2008	8.6w	[Gantt bar from Jan to Feb]																							
2	Phase 1: Data Acquisition and Loading	2/1/2008	7/31/2008	26w	[Gantt bar from Feb to Jul]																							
3	Phase 2: Education Analytics & Prototype	7/11/2008	12/3/2008	20.8w	[Gantt bar from Jul to Dec]																							
4	Phase 3: Rollout of Education Portal w/ Top Ten Reports- Version 1.0	12/16/2008	3/12/2009	12.6w													[Gantt bar from Dec to Feb]											
5	Phase 4: Portal Refinement and Report Expansion - Version 1.5	2/26/2009	8/25/2009	25.8w													[Gantt bar from Feb to Aug]											
6	Phase 5: Operations, Maintenance and Enhancements	6/22/2009	4/8/2010	41.8w													[Gantt bar from Jun to Apr]											

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Solution Architecture



Data and Reporting Needs Assessment

The DE partnered with Iowa AEA's to conduct a data and reporting needs assessment among local school districts and area education agency staff from across the state. The goal of this assessment was to solicit user input on the portal design and reporting interfaces for the statewide rollout of EdInsight. The DE utilized a two-pronged approach in gathering information by: 1) conducting a statewide survey to quantify the magnitude of responses and 2) convening a series of focus groups to capture the depth and breadth of qualitative aspects. The target audience contained district superintendents, principals, assessment coordinators, curriculum directors, teachers and other district personnel, as well as AEA staff. There were 179 participants in the 20 focus groups held statewide, two per AEA, and 445 survey respondents. Triangulating findings from both of these techniques led to the selection of the first ten report areas:

Initial Ten Report Areas for EdInsight Rollout	
Assessment/Growth	Curriculum
Equity School Improvement	Special Education
AYP Report	Transfer of Student Historical Data/Student Profile
APR Report	School/District Comparison
Enrollment	School Report Card for the Public

Committees

To ensure stakeholder input into EdInsight is on-going and addresses the needs of the entire education community, four committees support EdInsight in different ways: Steering directs; Advisory shapes; Data Governance defines, and Project Management engineers.

Budget

The DE has been appropriated cumulatively \$1.2 million in initial funding from the legislature for the EdInsight project through FY 09. The initial implementation will cost the DE \$2.9 million. The Department is exploring other avenues for sustained funding.

Questions

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