



THE EXECUTIVE OPERATIONS DASHBOARD

DEPARTMENT OF EDUCATION

"The Department of Education manages large-scale applications and data management systems to collect, store, and present information related to various parts of the grants management lifecycle."

PROJECT DESCRIPTION

The Department of Education manages large-scale applications and data management systems to collect, store, and present information related to various parts of the grants management lifecycle. The G5 application tracks and calculates grant financials, the ED Facts system captures performance data on state grants, and the suite of Risk Management Service (RMS) systems store and provide the framework for analysis of grant data segments to produce risk ratings and scores. Each of these three systems provides the Department's executive management team with the information needed to make decisions about the direction of grant programs and resources needed to manage the grants process.

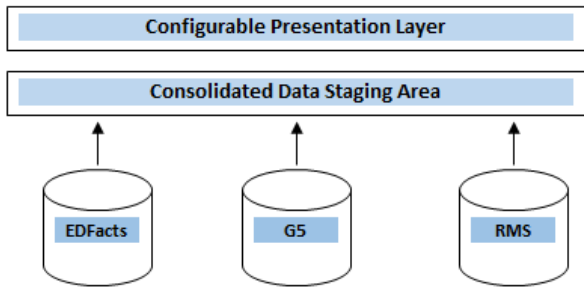
However, as this data is only available from three separate sources (G5, RMS, and ED Facts), extensive manual work is required to consolidate this vital information for presentation to Department's executives in a singular format or dashboard. The data must be gathered by an Operational Data Store (ODS) user requesting reports from these multiple sources and then translated into the dashboard presentation. This was time consuming and subject to error if any issues existed with the content of the reports.

SAMPLE DASHBOARD:



OUR APPROACH

Zenius consultants built a solution that exists outside the source systems and is available for direct access by the Department's executive management team.



Due to the volume of data stored in each source system, G5, RMS, and ED Facts data is consolidated into an Operational Data Store (ODS) at regularly scheduled intervals. From this staging area, the dashboard presentation layer displays reportable items as requested by the user.

The dashboard components available for use are configurable by a power user or administrator so that metrics delivered are tailored to the needs of the user community. The detailed data is extracted from the source systems using ETL (Extract, Transformation and Load) processes in to an On-line Analytical Processing (OLAP) database or data store as shown in conceptual diagram above of the interaction between the source systems and the dashboard presentation layer.

Adjacent are shown some of the key performance indicators (KPIs) that are accessible for Executives from the dashboard to make informed decisions about the operations.

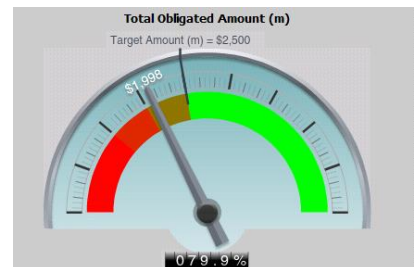
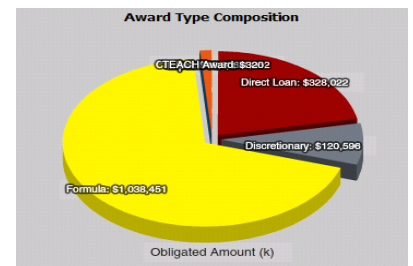
BENEFITS REALIZED

Our approach presents a secure dashboard accessible from any device, thus enabling Department's executive management team to have up-to-date information on multiple categories (Finance, Risk, Performance etc.) related to grants.

KEY FEATURES of our solution:

- Presents overview of multiple grants
- Provides broad high level view of data
- Consolidates data from multiple sources
- Provides Drill down data capability

Delivers ad-hoc reporting capability





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