

Developmental Phases of KSU's SAS Initiative

Revised on June 11, 2010

Phase I: Operational Database (Liberating Jailed Operational Data)

Expected Outcome: Administrative units will have Level 2 self-service access report generation capabilities and customized analytics for their operational databases on a routine and ad hoc basis from their desktops with little or no technical programming required.

Required Prerequisite Tasks:

- Administrative divisions/units (academic, student services, financial and human resources units) elect to partner with EIM by identifying their key personnel who will become the initial SAS Intelligence Specialists for their divisions/units with a charge to provide Level 2 support for facilitating and proliferating self-service database reporting and data management within their divisions/units.
- EIM's Director of Enterprise Academic Reporting (Donna Hutcheson) and Director of Enterprise Financial Reporting (Ken Bridges) train and coordinate (through an ongoing recognized dotted line relationship) the initial collaborative network of SAS Intelligence Specialists who subsequently support and train their colleagues in the use of SAS Web Reports Studio and SAS Enterprise Guide for self-service database reporting and data management in their units.
- EIM's SAS Intelligence Architect (Erik Bowe) consults with the pertinent SAS Intelligence Specialists to create the enterprise metadata maps for SAS integration of the critical data elements that presently reside in KSU's operational database silos and ERP systems.
- In consultation with each unit's SAS Intelligence Specialists, the EIM team configures customized SAS self-service access and reporting for the units' members using SAS Web Reports Studio.
- In consultation with the pertinent SAS Intelligence Specialists, the EIM team streamlines and converts existing routine operational database reports produced through SQL (Structured Query Language) into routine reports generated through SAS Web Reports Studio or SAS Enterprise Guide which are also accessible at the desktop on a self-service basis.
- Each unit's SAS Intelligence Specialists take the lead, with the advice of the EIM team as needed, for the development of customized analytics and management dashboards for their self-service reporting functions.

- Each unit relies primarily on its SAS Intelligence Specialists to manage and facilitate their unit's self-service generation of routine and ad hoc reports, database cleansing, data systems coordination, and intelligence troubleshooting, consulting EIM's Director of Enterprise Academic Reporting (Donna Hutcheson) or Director of Enterprise Financial Reporting (Ken Bridges) as well as other EIM team members for assistance as needed.

Phase II: Data Warehouse (Storing and Retrieving Census Data)

Expected Outcome: EIM will take the lead in establishing and coordinating a unified and integrated enterprise data warehouse for KSU that stores and integrates across existing database silos historical, cleansed, official, census data for Level 2 self-service data retrieval, reporting and analytics in support of planning, decision-making, assessment and improvement.

Required Prerequisite Tasks:

- EIM coordinates with KSU's Data Trustees and SAS Intelligence Specialists on the development and adoption of KSU's Data and Metadata Governance Structure that incorporate good practices of data management and stewardship of the enterprise's information assets.
- EIM coordinates with KSU's Data Trustees and SAS Intelligence Specialists in the implementation of enterprise data governance and master data management standards for census data capture and cleansing before storing official/authoritative enterprise information in KSU's Data Warehouse.
- EIM's SAS Intelligence Architect (Erik Bowe) and Team design construct and populate KSU's Data Warehouse in compliance with KSU's enterprise data integrity and governance standards and in collaboration with the units' Data Stewards and SAS Intelligence Specialists.
- Software and hardware expansion of the SAS Enterprise Intelligence Suite for Higher Education is completed to facilitate construction and maintenance of an integrated and efficient enterprise data warehouse (includes Financial Intelligence, Human Capital Intelligences, and Strategy Management).
- Self-service access, reporting, and analytics capabilities similar to those which are available through the SAS Intelligence platform from the operational databases in Phase I are available from KSU's Data Warehouse using SAS tools.
- Administrative units' Data Stewards and SAS Intelligence Specialists are key advocates and catalysts for developing and maintaining the integrity of KSU's enterprise data and its usefulness in the warehouse.