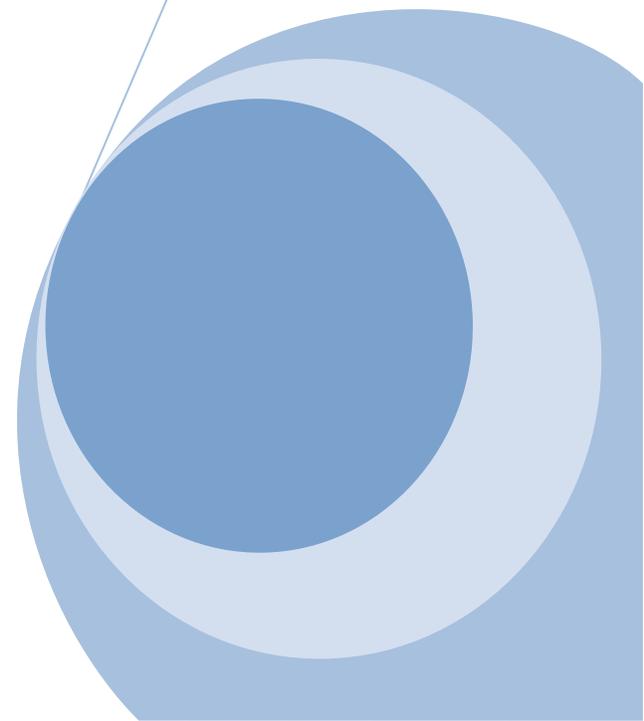


EWSolutions Education Program and Platform Case Study

Leveraging Data Management Knowledge and Cloud-Based LMS to Deliver On-Demand Training Program

Data management education strategy, program and curriculum development, delivery platform development and implementation, examination and certification development, billing and student services enables this organization to offer a full data management training program.

EWSolutions, Inc.
9/10/2020



Bringing Enterprise Data Management Education and Testing Online and On-Demand: A Case Study in How EWSolutions Enabled an Organization to Offer Self-Paced Training in Data Management

A major Fortune 500 organization recently acquired a large competitor in their marketplace. As part of the acquisition, they identified a need to incorporate its small but effective enterprise data management initiative into their environment. At the same time, external forces were indicating a need to expand the data management program to be truly enterprise, which would require [educating](#) many more staff members and leaders in the concepts and best practices of data management, including data literacy, data governance, metadata management, and data quality. With an organization size approaching multiple thousands, the company knew it could not remain with its current approach of a few small in-person classes held once or twice each year.

The organization had a focus on a few areas in [enterprise data management](#) (metadata management, limited data governance, some data quality programs, enterprise data modeling, and a data warehouse) but they had chosen to adopt a full enterprise data management approach with this acquisition. This commitment forced the organization to re-evaluate its training in all areas of data management, as well as the delivery methods. New curriculum as well as a new platform were needed to address this situation. Additionally, the organization wanted to promote the concepts of [data literacy](#) to its staff and management, to advance the competence in the collection, use, and analysis of the various types of data and information across its environment.



Education requirements identify need for change

The need for a comprehensive change to the organization's enterprise data management education and its delivery method forced the company to realize it simply could not update its existing training material. Many staff had outdated knowledge and had adopted a collection of practices that were yielding limited results. Most members of the organization were less data-literate than their competition, causing delays in decisions and challenges with operations.

Since the company's data management program had been scattered, it did not have a focus on the underlying enterprise information management challenges of data architecture, full metadata management, [enterprise data governance](#), or master and reference data management. Additionally, the warehousing and business intelligence environment was not built with [proven practices](#) and industry standards for data integration, data

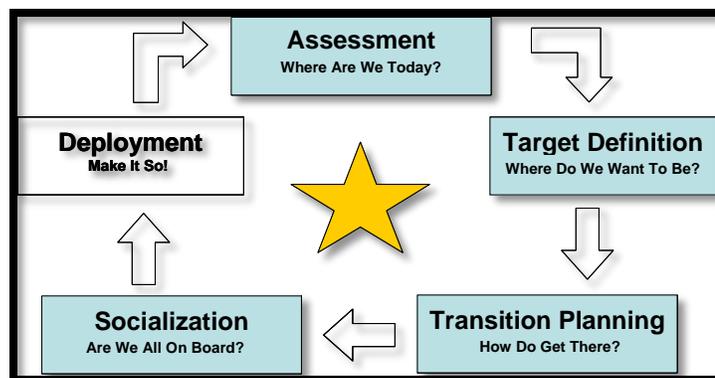
warehouse architecture and data warehouse metadata management, ultimately causing challenges for the expanding organization.

The company retained industry leader [Enterprise Warehouse Solutions](#) (EWSolutions) and used its expert consultants to perform a complete enterprise information management current state assessment, and a companion education assessment. EWSolutions' team of experienced top-level strategists was able to provide the company with exemplary advice, guidance, planning and execution strategies and recommendations for improvement in all areas of [EIM](#) (data governance, master and reference data management, data architecture, metadata management, data integration, data quality management, data security, database operations, etc.). EWSolutions also performed a comprehensive assessment for the data management education at the company concurrently with the EIM assessment. This assessment included a detailed review of the training content, and the delivery methods used, and a gap assessment of knowledge and skills in each area of data management against an industry standard reference framework.

During the education assessment, EWSolutions used its revolutionary educational assessment framework to evaluate, design, and implement the processes of the education strategy and roadmap.

The results of the education assessment included:

- Analysis of current education content against a reference framework for activities and practices
- Assessment of gaps between the client's data management practices and industry proven practices
- [Assessment](#) of the current state of data literacy of staff and management against accepted standards for data collection, data usage, data analysis
- Assessment of the current delivery method for training and recommendations for improvements that incorporated current technologies, best training and learning practices, and adult education concepts
- Identification of skills and knowledge gaps for each area of the reference framework to create appropriate training materials, and creation of examinations to validate skills and knowledge acquisition



EWSolutions consultants brought outstanding credentials and dedication to the partnership while also offering:

- Exceptional experience in all facets of enterprise data / information management assessment and implementation
- Exceptional experience in all areas of educational assessment, Learning Management System (LMS) development and implementation, instructional design strategy, education / training planning, training material development, training delivery
- Exceptional experience in all areas of [enterprise data management](#) training development and delivery
- Exceptional experience in the use of a proven methodology for educational assessment, training development, course delivery, and evaluation (ADDIE method)
- Sophisticated interpersonal communication skill for delivering knowledge transfer
- Thorough understanding of the management of educational platforms to support client's student / training populations
- The invaluable ability to view educational experiences from the business person's perspective

With the superior guidance of EWSolutions in all areas of EIM and educational assessment, with clearly defined recommendations for improvement and a series of phased implementation roadmaps, the company was able to plan its new approach to data management and the education of its staff confidently with these clearly defined goals:

1. Develop a plan for full enterprise data management and implement the plan consistently
2. Establish the foundations of enterprise data management through phased education
3. Improve the current state of the organization's data management education
4. Expand the availability of data management training to online and on-demand
5. Develop a robust, skills-and-knowledge based curriculum for data management to be available to the organization

Upon completion of the assessments, EWSolutions was retained to guide and staff the development of the EDM education at this organization. The company used its existing Training Director as the leader, and EWSolutions provided senior resources to support this person, offering guidance and implementation capabilities. The company and EWSolutions implemented the LMS, designed the instructional strategy and content plans. The team created a collection of courses and examinations for all areas of enterprise data management (data governance, metadata management, data architecture / data modeling, data quality, DW/BI/analytics, data security, MDM, etc.). In addition, an EWSolutions Principal Consultant served as the initial LMS Administrator, designing and implementing the company's student data portal that collects data on courses taken and passed, tracks followed, etc. The company hired a full time LMS Administrator and this person eventually replaced the consultant.

Using senior resources from EWSolutions, the company was able to meet all the defined goals in the specified period.

EWSolutions Overview

[Enterprise Warehouse Solutions](#) (EWSolutions) is a consultancy with superior strategic and tactical planning analysts who offer government and commercial clients innovative and authoritative solutions. EWSolutions delivers assessments / strategies in all areas of enterprise data / information management, technology implementation in metadata management, data warehousing (ETL, BI, data and text mining, etc.), business intelligence implementation, data governance program development and implementation, enterprise data management framework development and implementation, data migration planning, disaster and contingency planning, and strategic solutions for business/technology issues. Additionally, EWSolutions offers a complete education and training program in all areas of enterprise data / information management; services include program assessment, program development, training platform selection and implementation, and related activities. The company's extensive client base spans the government and the health, life sciences, insurance, financial services, consumer products, retail, manufacturing, and high-tech industries. For more information on our strategic consulting services, high-value implementation services, methodologies, or world-class training call (630) 920-0005 or email us at Info@EWSolutions.com