

Enterprise Services

Reference Data Environment (RDE) Oracle Portal Development

Customer: Defense Logistics Agency (DLA) | Period: 1/1/2005 – 9/30/2010



Why Triple-i?

Qualified civilian and defense industry experience with enterprise services

Expertise in migrating legacy systems to Web technology

Solutions designed for sustainability

Customer-focused, value driven management approach

A Service-Disabled Veteran-Owned Small Business

Customer Profile

The Defense Logistics Agency (DLA) is a U.S. Department of Defense (DoD) agency that provides wide-ranging logistical support for peacetime and wartime operations, as well as emergency preparedness and humanitarian missions. The agency currently employs over 28,000 civilian and military employees working in 50 states and 28 foreign countries.

As a function within DLA, Defense Logistics Information Systems (DLIS) provides interoperable, integrated, quality logistics data; reference data; and enterprise IT solutions for joint war fighters, the Military Services, the Defense Department, other federal agencies, commercial companies, and select foreign allied governments in order to optimize the effectiveness and efficiency of the DoD supply chain. The DLIS mission is to create, obtain, manage, and integrate logistics information for dissemination to users and customers in an easy, cost-effective manner.

Business Challenge

DLIS has determined that a data warehouse with a single user interface would benefit the logistics enterprise by reducing costs and the turnaround time to satisfy such requests. This DLIS vision includes the development of an integrated data warehousing system, called the Reference Data Environment (RDE), that will provide a unified view of logistics information for the DoD, federal agencies, and international organizations.

Prior to the Reference Data Environment, the data used to accomplish this mission was maintained in a variety of stand alone systems that were developed to accomplish specific business functions and requirements. DLIS initiated the RDE Program to build upon their mission capabilities and address integration limitations between the standalone systems.

Our Solution

Triple-i has played a key role in the overall design and architecture for the Reference Data Environment data warehouse.

Triple-i provides ongoing application development and sustainment support for the RDE under this contract in three primary areas:

- Database application design and development
- Portal application design and development
- Configuration management

Triple-i developed the conceptual architecture for the RDE to extract and transform data from numerous sources, load it into a unified data view, and provide the combined data to external systems and users. A collection of centrally-managed metadata governs the entire process.

The RDE system, managed by DLIS using Web technology, serves as the central access method to interactively obtain reference/repository information. It provides SQL queries of the database, standard reporting, batch query processing, and a business intelligence tool to create reports and extracts that can then be used to create a variety of output products.

RDE involves four software components: the Database, ETL Layer, Business Objects, and the Portal Server.

In response to unique user requirements, Triple-i team members have led the way in a number of innovations:

- An approach to integrate the single sign-on environment of the application server and the data security requirements in the database
- A Web Services framework that allows RDE administrators to define and deploy REST-style Web service without developer intervention
- A framework that captures and evaluates changes to crucial DLIS reference data

Other Customers

In addition to developing the Reference Data Environment for DLA, Triple-i has also provided other enterprise services such as testing, systems administration, Storage Area Network (SAN) architecture, portal and oracle development, interface development, and help desk support. Triple-i has also provided Web design and development, software development, and independent verification and validation (IV&V) for the Defense Contract Management Agency (DCMA).

To find out more about these and other contract services, visit our website at www.iiinfo.com or contact sales@iiinfo.com.