

## Enterprise Services

### Migration Testing Services

Customer: Defense Logistics Agency (DLA) | Period: 9/30/2004 – 9/30/2014



## Why Triple-i?

Qualified civilian and defense industry  
experience in enterprise services

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Secret and top secret  
security clearance

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Data center consolidation

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Testing methodology formulation  
and implementation

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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.

### Business Challenge

As DLA provides its worldwide support, deployed resources often become underutilized, resulting in increased operational costs and an increased risk that technologies will remain in production beyond their useful life. Continual support also naturally increases the risk of outages and interruptions in operations as technologies age.

One of the initiatives of the Business Systems Modernization program is the implementation of Enterprise Data Centers (EDCs) that consolidate many of the DLA global information technology data centers. DLA has established two EDCs – one in Columbus, OH and the other in Highlands Ranch, CO – as part of this initiative.

### Our Solution

Triple-i is providing migration planning and testing support of the technology components as part of DLA's migration to its EDCs. DLA requires that the new environment and all technologies be correctly configured, integrated, and fully tested prior to cutover to the newly migrated data center resources.

Triple-i is providing this testing support in three phases:

- **Phase I – Overall Advance Planning:** Triple-i provided strategic analysis on the interconnections of the databases, applications, and structure of the DLA network architect to provide proper and precise test requirements for both data centers.
- **Phase II – Testing of EDC East Components:** Triple-i's services in this phase involved all pre-migration testing and post-migration testing for servers, applications, databases, and supporting technologies associated with the relocation of technologies to the Columbus, OH EDC. It also included the development of detailed test plans for both data centers.
- **Phase III – Testing of EDC West Components:** In this phase, Triple-i will provide all pre-migration testing and post-migration testing for servers, applications, databases, and supporting technologies associated with the relocation of technologies to the Highlands Ranch, CO EDC.

As part of pre-migration testing, DLA application/program owners follow a formal testing methodology, in which they:

- Develop test plans, scripts, and thread tests
- Prepare testing data
- Execute the tests
- Record testing results and report to DLA

The results of the tests are used to establish a baseline for comparison following application migration.

During post-migration testing, Triple-i works with DLA to re-execute the test baseline, providing report data to certify that all tests passed or to identify any issues or problems. At the conclusion of the post-migration steps, the EDC Project Management Office (PMO) verifies the test results and accepts the new environment.

During the third and final step of testing, the databases are resynchronized and the migrated systems are placed in full production. The EDC PMO, with support of the DLA application/program owners and Triple-i, performs a regression acceptance test for the production system. This methodology serves to ensure that databases remain up-to-date and all application functionality and configuration settings are properly established in the new production environment.

### **Other Customers**

In addition to providing systems administration support to DLA, Triple-i has also provided services such as interface development, portal and oracle development, storage area network (SAN) utilization services, 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](http://www.iiinfo.com) or contact [sales@iiinfo.com](mailto:sales@iiinfo.com).**