

Data Center Optimization

Technica engineers have institutional experience managing large data center migration and consolidation for our Department of Defense (DoD) customers. We employ a proven engineering process that is rooted in the Systems Development Life Cycle (SDLC) to support data center infrastructure deployment as well as workload migration and optimization.



OUR DATA CENTER OPTIMIZATION SERVICES:

- Network Engineering
- Enterprise Architecture (EA)
- Information Assurance
- System Engineering
- Network Operations (NetOps)
- Virtualization Systems

Technica supported the Defense Information Systems Agency (DISA) in the successful migration and consolidation of a major DoD business system environment from Denver, Colorado to the DISA Defense Enterprise Computing Center (DECC) in Ogden, Utah. The migration of the Defense Logistics Agency (DLA) Enterprise Business System (EBS), composed of hundreds of terabytes of data and thousands of UNIX and Windows processors, was carefully orchestrated and executed in a single weekend after nearly 12 months of planning and testing.

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The DLA EBS performs batch processing worth billions of dollars annually to automate planning, procurement, supply, and accounting tasks in support of DoD warfighters worldwide. As migration requirements were finalized, Technica developed service delivery goals (in coordination with other contractors) to improve services while simultaneously reducing operating costs.

We launched an effort to improve the architecture of the EBS environment by leveraging the latest technologies, rationalizing each application, and optimizing the use of technology. Our engineers consolidated EBS sub-applications

and computing resources, resulting in a streamlined architecture that significantly reduced the number of UNIX and Windows environments, nearly doubled system processing speed, and reduced power consumption and carbon footprint accordingly.

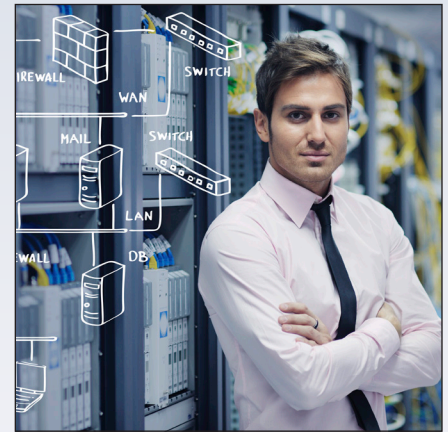
Based upon the success of the EBS migration and optimization in achieving both service improvement and cost savings, DISA chose Technica to support the migration of a second system, the DLA Enterprise Data Center (EDC), to the Ogden DECC facility.

What Sets Technica Apart

Data center optimization requires proven strategies that are mission and business rather than technology-oriented. We believe that long term, in-depth research and analysis is the key to successful optimization and sets our data center optimization practice apart. Technica engineers will:

- **Research** and analyze end-user needs and behaviors
- **Rank** systems by criticality and impact to overall business or mission requirements
- **Map** system and application dependencies
- **Analyze** equipment requirements to optimize the mission value of each server
- **Search** out opportunities for innovation and enhanced capabilities
- **Develop** or enhance the compliance environment
- **Seek** opportunities for cost savings through system consolidation and lower power requirements

Seeking a balance between the needs of the business, technology innovation, and strategies to reduce deployment costs and operating expenses allows Technica to provide consistently high-value, low-cost solutions for all of its government customers.



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About Us

Technica provides professional services, products, and innovative technology solutions to the Federal Government. We specialize in network operations and infrastructure; cyber defense and security; government application integration; systems engineering and training; and product research, deployment planning, and support.

Company Information

- IT Solutions Since 1991
- CMMI Level 2, DEV and SVC v1.3
- Certified PMP Resources
- Certified ITIL v3 Expertise