

DATA CENTER SOLUTIONS



CSC
NORTH AMERICAN
PUBLIC SECTOR

Government, at all levels, relies heavily on information and information processing to deliver services to the citizen, the first responder, and the warfighter. This reliance on information technology (IT) will only increase in the foreseeable future. The foundation of IT delivery - the data center - must continuously evolve to meet these demands in an environment of increasing energy costs, IT security concerns and growing data storage requirements. Our data center management services offer you the opportunity to meet these challenges and focus on your core mission. At the same time, CSC delivers assured and secure access to all authorized networks, applications, and services.

Data Center Solutions Benefits:

- Complete suite of managed infrastructure services for mission critical federal applications
- Highly secure/scalable facilities engineered to eliminate disruption, provide multiple network access points for connectivity as well as support survivability and disaster recovery
- Proven and accredited policies, procedures and practices
- Operation at all security levels
- Experience at all levels of data center operations

Why CSC:

- A trusted industry partner
- Serving the U.S. Government for 50 years
- Only Tier 1 IT infrastructure solutions provider with carrier legacy (>100 years)
- Over 90,000 employees
- Global reach
- Certified: ISO, CMMI, ITIL and Six Sigma
- Industry recognized leader in Green IT

The ability to provide a secure, reliable and cost effective operational IT infrastructure is vital in today's world. CSC's extensive experience in data center consolidation, infrastructure transformation, server and storage virtualization, green IT and operations provides you with continuous value for the best return on your investment with our "custom built" solutions that fit your IT needs.

Experience

CSC's data center experience spans the globe. Our data centers process over 80,000 mainframe million instructions per second, support 72,000 servers and maintain 46 petabytes of storage. These data centers are located in Asia, Australia, Europe, Africa and North America. Of more than 40 data centers, six are dedicated to government clients in the United States, while space in another four of our highly secure commercial data centers is also leveraged for several of our other public sector clients. Coupled with our 50 years of experience as a service provider to governments worldwide, CSC is uniquely qualified to provide the data center services you need - reliably, securely and efficiently.

Data Center Transition and Transformation Services

It is not only vital to have a reliable IT infrastructure that eliminates service disruption and data loss, but also maximizes efficiency and effectiveness. CSC's data center transition and transformation services offer seamless technology migrations to cost effectively maximize your technology power. Decisions on infrastructure consolidation, transition and transformation must consider

not only your current requirements, but also innovations such as virtualization and trends toward Tier IV highly secure centers with multiple connectivity options. Using CSC's Optimization Assessment and Systems Integration Study (OASIS) service offering, each client is provided a customized roadmap for servers and storage that helps maximize power, efficiency and return on investment (ROI). CSC's transition and transformation services also offer you the opportunity to simplify operations. This is especially valuable when quality and security requirements take a significant amount of effort to manage.

Our OASIS approach will provide an optimized assessment which matches hardware to your every option. The expense of implementing each option is balanced against a one time cost. This one time cost will help generate a ROI for each optimized choice, allowing you to prioritize your IT spend. Using this approach you will have full visibility into the tools, methodologies and services needed to transform your infrastructure. You will know exactly the what, how and cost of the systems being migrated, transformed or consolidated, as well as their operating costs.

Data Center Operations

Through our experience supporting hundreds of data center engagements in various industries around the world, we have developed an extensive portfolio of operational processes. We have tailored these IT Infrastructure Library (ITIL)-based proven practices to support client standards, requirements, enterprise architecture and system development life cycle.

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Our approach is built around five core processes:

- Daily service review (DSR)
- Escalation and notification
- Service restoration team (SRT)
- Root cause analysis (RCA)
- Change management

With five decades of experience in both the commercial and public sector, CSC offers solutions to resolve the challenges faced in constructing and operating data centers, including the unique challenges found in high security/high survivability government facilities. Our data center capabilities include:

- Facilities engineered for high availability, redundancy, connectivity and survivability
- Locations with 100% service level agreement for power
- Locations with connectivity to over 170 carriers multi-layered physical and network security
- "Mission critical" operational focus 24/7/365
- Automated monitoring and management functions
- Clearance holding staff focused on mission critical applications
- Proven and accredited policies, procedures and practices
- Work control/change and configuration management
- Physical security/Access control/Personnel security
- Backup/ Recovery/Batch processing
- Patch management/Vulnerability scanning

Green IT and High Density Solutions

At CSC, green IT and high density solutions are integral to our culture and key components of an overall strategy to keep costs low while maintaining operational excellence. High density IT solutions, such as virtualization and storage area networking, provide cost savings, ease of provisioning, reduced floor space, increased availability and delayed need to invest in costly capital upgrades.

CSC's Compute Market Solutions estimate up to a 70% cost reduction by moving to a virtualized environment versus a one-for-one refresh over a three-year period. Our strategy includes:

- Innovative and energy efficient computer room design
- Utilization of energy efficient cube technology
- Improved efficiency in uninterrupted power supply, chillers and cooling units
- Passive infrared activated energy efficient lighting in dark room computer suites
- Efficient computer room design concepts (hot/cold isle, cabling standards)
- Water waste and energy reduction programs
- All IT waste recycled
- General waste recycling targets (>70%)
- Centralization, consolidation and virtualization of IT infrastructure
- Improved platform utilization

Today, agencies face many new challenges operating their IT infrastructure. Presidential directives, legislation and government mandates are driving new initiatives, such as remote PC access (teleworkers) and IT consolidation, to reduce the environmental impact and costs associated with operations. Let CSC's customized solutions and dedicated workforce help you navigate the challenges of the 21st century.