

# Government Cloud Infrastructure Services

## Key Benefits

- **Predictable, sustainable savings:** Reduce Total Cost of Ownership (TCO) up to 50 percent with pay-as-you-go pricing, economies of scale, elasticity, cost avoidance and ongoing technology improvements.
- **Certified, secure cloud:** Have confidence in the cloud with a robust, secure solution. CGI passed GSA's rigorous accreditation process on the IaaS BPA so you get value and certified security.
- **Service, not just servers:** Improve governance with rigorous, ITIL-based service management that is embedded into your cloud services so that users follow procedures automatically.
- **Power and control:** Combat resource constraints with on-demand provisioning of federally certified cloud resources. Monitor performance, usage and costs with online dashboards.
- **Expert guidance:** Tap into the expertise of a federal IT and infrastructure veteran to determine best-fit solutions for your programmatic and technical needs.

## CERTIFIED TO MEET ROBUST FEDERAL GOVERNMENT REQUIREMENTS

From the federal "cloud-first" policy to innovative initiatives at the state and local level, governments are looking to cloud computing to do more with less, and do it faster and better. In an effort to streamline government access to secure cloud infrastructure as a service (IaaS), the U.S. General Services Administration (GSA) created its Blanket Purchase Agreement (BPA) for Cloud IaaS. CGI is one of a handful of providers granted an Authority to Operate under the BPA. This means our cloud web hosting and virtual machine services have been certified to meet rigorous federal security and technical requirements.

## Do these challenges sound familiar?

- Does it take weeks or months to obtain infrastructure when critical needs arise?
- Are you over-buying IT capacity for new initiatives (i.e. citizen-facing web-based systems) that have unknown demand or performance characteristics?
- Are you suffering from aging data center infrastructure, unfunded Web 2.0 initiatives and loss of talent through attrition?
- As a shared services user, do you seek better transparency, responsiveness, speed and cost efficiency?
- Do you need to meet mandates for consolidation, optimization, virtualization and energy efficiency?

## How CGI can help

**On-demand capacity.** CGI helps agencies increase efficiency, reduce costs and drive innovation by providing secure, on-demand cloud infrastructure services. Rather than taking months to build IT capacity, users can turn compute resources on or off in minutes to accommodate predictable or unpredictable changes.

**Lower costs.** By moving physical servers into the cloud, CGI can help agencies save 10-20 percent out of the box, with the potential to save 20-30 percent more from pay-as-you-go pricing and reductions over time. Agencies can also save as much as 80 percent in energy costs. In addition, they can effectively monitor and manage their usage and costs with detailed information on our cloud portal.

**FISMA moderate security.** CGI's Federal Cloud protects data in U.S.-based facilities staffed by U.S. professionals with federal background checks. We meet Federal Information Security Management Act (FISMA) requirements for low and moderate impact applications, representing 88 percent of the federal IT workload. This includes systems processing sensitive data such as personally identifiable information. The sentinel and defense systems in CGI's Federal Cloud continuously monitor, protect and report the security of agency resources.

**Automated service management.** Preserving and maximizing cloud efficiencies requires proper management and support. CGI's Federal Cloud embeds rigorous, ITIL-based service management and uses robust configuration and integrated change management systems. As a result, users follow procedures automatically and agencies get the control they need. For example, change requests require two levels of approval and there is a complete audit trail.

#### CGI Federal Cloud IaaS Offerings at a Glance

- **Virtual Machine (VM)** offerings includes processor, RAM, operating system (O/S), storage and data I/O.
- **Cloud Web Hosting** service builds on the VM offering and also includes premium web servers, database software, patching, vulnerability scanning and O/S-related security services.
- Also available are additional storage, enhanced security, disaster recovery, continuity of operations, help desk, technical support and technology refresh management.

#### Additional Available Services

CGI's additional full-service capabilities to support federal cloud initiatives, including:

- Cloud transition planning and strategy consulting
- Fully managed cloud (including performance tuning, provisioning/de-provisioning environments and Tier 2 application management)
- Automated performance adjustment
- Configuration
- VPN Tunnels
- Availability beyond 99.5%
- Database administration
- Disaster planning/testing
- Penetration testing for applications
- Compliance with HIPAA, PCI
- Application management
- Application performance monitoring and alerts
- Application portfolio rationalization
- Traditional hosting
- Support for private clouds (build/operate, supplemental capacity)
- Disaster Recovery/Continuity of Operations
- Software as a Service and Application Service Provider services

#### CGI AT A GLANCE

Founded in 1976, CGI is one of the largest independent information technology and business process services firms in the world.

CGI and its affiliated companies employ approximately 31,000 professionals in more than 125 offices worldwide.

We deliver end-to-end services and solutions in application and technology management, systems integration and consulting, business process management and services, advanced engineering and technology services, and operational support services.

CGI has a 35 year heritage of providing infrastructure and managed services to government and commercial enterprises, with a nearly one billion dollar infrastructure management business today. We are trusted by 180 CIOs and more than 50 federal agencies to manage their infrastructure.

Learn more about CGI's cloud services at [www.cgi.com/federalcloud](http://www.cgi.com/federalcloud)