



...experience the commitment™



# Data Management Services

## BENEFITS

### Reduce costs

- By leveraging CGI's data management services, you reduce the need for costly onsite, knowledgeable resources in addition to the training costs associated with those skill sets and technologies

### Improve data quality and availability

- Our deep expertise helps you establish documented, repeatable processes while meeting or surpassing the applicable regulatory guidelines

### Optimize data assets

- CGI can help your organization leverage and reuse the data assets you already have built in the past

### Maximize ROI

- CGI offers advisory services to help consolidate overlapping and redundant tools, which can result in software licensing reductions, minimized CPU overhead and database consolidations

**DATA DOUBLES EVERY 18-24 MONTHS FOR CRITICAL APPS AND FOR SOME EVERY 6 MONTHS.**

— Forrester 2008

## The Challenge

Your IT and business processes require you to gather and retain data. Data assets are increasingly large, complex and unwieldy. Database infrastructure management ensures data availability, efficient response to end user requests, and the ability to adapt and maintain a constantly growing infrastructure that supports business objectives.

As database environments become more disparate and support increasingly diverse organizational needs, organizations face mounting pressure to reduce costs while continuing to optimize data assets and meet service level agreements. You are faced with having to effectively manage a complex multiplatform database infrastructure, including proactive issue notification, automated problem response, and scalable and adaptable design—all intended to optimize business process efficiencies. On top of all this, data management technologies and best practices are evolving rapidly.

How is your organization supposed to keep up?

## CGI Answers the Challenge

CGI's Data Management Practice offers the deep knowledge and resources you need to meet these challenges. From conception all the way to managing multiplatform data resources, our team has the experience to properly address a wide range of initiatives of any scale in size and complexity—from corporate level mainframe applications, to distributed, three tier architectures or stand alone server applications. In addition, the practice provides a full range of on-site and remote database administration, database monitoring and database support services.

Quality, proven methodologies, effective risk management and flexibility are the foundation of our success.

## Our Team

CGI's data management team is comprised of certified database specialists providing services worldwide and delivering expertise across a spectrum of DBMS solutions, when and where you need it. Core skills include:

**Enterprise Data Architecture:** Skilled analysts are available to help build your data architecture blueprint.

**Data Analysis and Design:** Our skilled data analysts will employ data modelling best practices and techniques to help integrate any complex business data requirements into a data model. They will conduct data mapping exercises when migrating from a legacy database to a new version. Our database administrators (DBA) will ensure that all the physical details and DBMS available features are optimally managed for a successful database deployment.

**DBMS Upgrades and Migration Services:** Upgrading a database management system (DBMS) to a new version can include activities such as the creation of an upgrade strategy, test plans and deployment schemes. Our specialists will ensure that the upgraded database is performing to your expectations while maintaining data integrity. Our team can also assist your organization in loading data from an existing source (legacy database) into a new database structure.

**Database Security & Backup Services:** Database security ensures the encryption of sensitive data, control of access to the data and prevents access by unauthorized users. Our backup solutions will establish the means to restore databases according to your organization policies. We can provide guidance and solutions for disaster recovery planning to protect your data from software and hardware failures.

**Database Performance Analysis and Tuning:** Our experts conduct database performance analysis and assessments, and we have dedicated "firefighters" available to address emergency performance issues quickly and effectively.

**Database Health Check Services:** CGI offers complete database health check services using a proven CGI proprietary methodology designed to ensure that your mission-critical database is performing at optimal levels.

**Database Managed Services:** CGI provides a remote managed database service to support clients' databases. Our team of professional DBAs are available via a toll free number 365 days a year to ensure that your databases are up and running. Using our proprietary CGI monitoring product (DBAdvantage) helps to ensure database reliability and reduce costs associated with monitoring and downtime.

## Our Commitment

At CGI, we believe in implementing technology that transforms our clients' business environments. That's why we offer our services to a focused set of industries where we have acquired deep experience and expertise. We understand our clients' business realities and have the know-how and solutions to advance their goals.

## SUPPORTED ENVIRONMENTS

### DBMS Products

- Oracle
- SQL Server
- DB2 (OS/390)
- MySQL
- Sybase

### DBMS Tools

- Oracle – CGI DBAdvantage™  
Toad, OEM, Statspack/AWR
- SQL Server – SQL Profiler,  
Toad, BMC Patrol,  
CGI DBAdvantage™
- DB2 – BMC utilities, Strobe  
Omegamon
- IMS – BMC utilities

### Platforms

- UNIX (HP-UX, Solaris, AIX)
- Linux
- MVS (O/S 390)
- Windows

### Virtualization

- OS
- Storage
- VMWare

### Development Tools

- Data Modeling (ErWin, Oracle  
Designer, Visio)
- Database Development Tools  
(SQL Loader, Data Pump,  
PL/SQL, SQL Query Analyser)

## CONTACT US

For more information, contact us at  
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