

CGI's Azure Managed Database Services

CGI



Overview

The right managed database services frees your organization from the burden of managing its own cloud database resources, giving you more freedom and time to focus on what's important to your business.

With a self-managed database, your organization has to maintain the operating system and the database, which requires a level of internal expertise and skillsets for everything from end-to-end security to scaling. Maintaining a self-managed system may allow for control, but that control can present drawbacks such as increased costs over time, along with the need to devote time and staff to tasks like managing schema design, patches, security, and access rather than to innovation and product design.

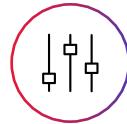


Why Azure Managed Database Services



Simplify application development with fully managed databases

Choose among fully managed relational, NoSQL, and in-memory databases that span proprietary and open-source engines. Focus on building innovative applications while Azure makes your job simpler. Fully managed databases automate tasks like configuring and managing high availability, disaster recovery, backups, and data replication across regions, saving you time and money.



Fully Managed

Work more productively and focus on application development while Azure takes care of database management. Optimise performance with [built-in intelligence](#). Stay up and running with automatic feature updates and patches as well as the industry's highest financially backed SLAs of up to [99.999% availability](#). Accelerate your database migration using [Azure Migrate](#) and [Azure Database Migration Service](#).



Open & Flexible

Choose from a wide array of relational and non-relational database engines, including popular open-source options. Take advantage of fully managed community editions of MySQL Heatwave, PostgreSQL, and MariaDB, support for a wide range of tools and languages, and API compatibility with MongoDB, Cassandra, and Gremlin. Flexible compute options include serverless, provisioned compute, and pools. Azure also offers a high-performance interconnect facility to Oracle's OCI to access and deploy Oracle databases.



Limitless Scale

Scale your application data across multiple nodes with Azure relational databases. Scale storage up to 100 TB with Azure SQL Database, and scale to hundreds of nodes with Azure Database for PostgreSQL. For NoSQL workloads, use Azure Cosmos DB and get industry-leading SLAs that guarantee throughput, consistency, availability, latency, and limitless scale for both compute and storage.



Intelligent Security

Protect your data with built-in controls. These include data masking, encryption at rest and in motion, intelligent threat detection, and proactive vulnerability assessment that alerts and remediates potential threats in real time. Help safeguard your database with Azure Active Directory role-based access control. Use Azure Key Vault key management for essential protection of your data in the cloud.

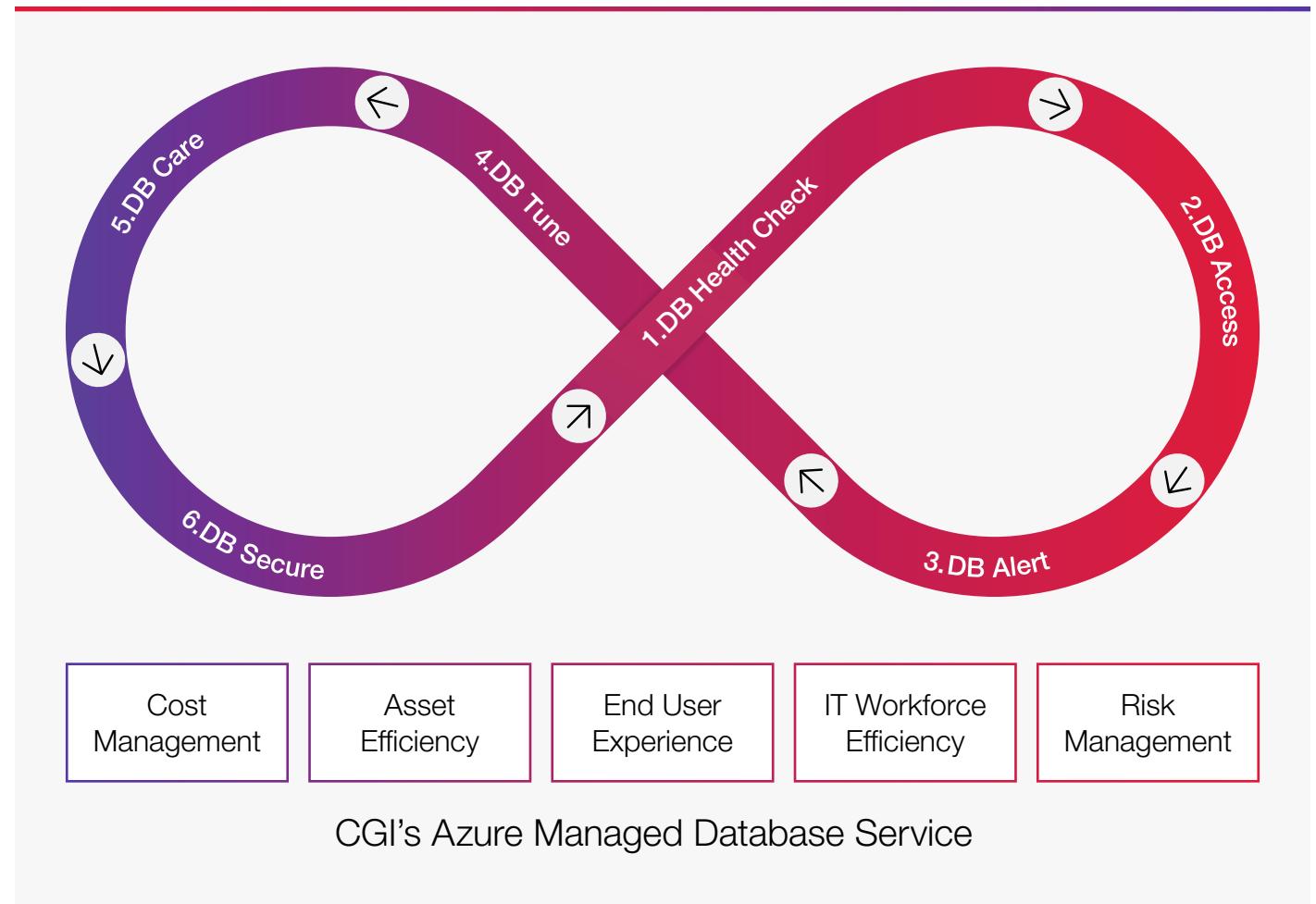
CGI's Azure Managed Database Services

Microsoft Solutions Partner for Data & AI (Azure)

With more than 8,000 Microsoft Skilled professionals worldwide, CGI is a Data & AI (Azure) Solutions Partner with specializations in Windows Server and SQL Server Migration, Modernization of Web Applications, and Analytics.

CGI is providing its clients across industry verticals with support to keep their databases fully optimized, and helping them reduce management and administration costs by combining best practices, specialized skills, and Azure Managed Database service that provides our clients with the assurance that their data is accessible, optimized and secured, whether working on-premise, in the cloud or a hybrid of both.

CGI's Azure Managed Database Services Offerings is focused on improving Asset efficiency, end-user experience, IT workforce efficiency, and risk management for our clients across sectors.



CGI's Azure Managed Database Services Include

Database Health Check - Advisory Service

- Current state report on Database infrastructure health
- Identifies specific enhancements or remediation opportunities
- Establishes benchmark for ongoing comparison
- Compares expected health to actual against industry best practice
- Ensures optimal performance to extract maximum value from your Database investment
- Provides objective insight from our experienced team

Database Access - Service Desk & Access to the Experts

- Access to our specialized Database Service Desk Experts
- Available for Business Hours and optional After-Hours
- Defined Service Level Objectives (SLOs)
- Virtual or on-site Database Support during Business Hours
- Disruptive Database Maintenance Services outside Business Hours
- Documentation to support and maintain the database environment & detailed tracking and documentation of support requests and their resolutions
- Access to our Senior DB Architects for Advisory ServicesBackup Service, Tracking and validation of backups & Issue identification and remediation

Database Monitoring & Alert

- Business hours and optional after-hours monitoring of databases
- Remote database support triggered by monitoring alerts
- Optional response to after-hours alert events
- Defined Service Level Objectives (SLOs)
- Automated escalation of critical event threshold breaches during business hours
- Detailed tracking and documentation of monitoring events and their resolution
- Safeguarding your company's vital data

CGI's Offerings – In Depth Review

Database Tune - Advisory Service

- Provides deep insight into Database performance and potential bottlenecks
- Provides tangible performance metrics leading to configuration enhancement opportunities
- Leads to specific actionable remediation and/or tuning opportunities
- Maximizes value and performance of your existing investment
- Ensures performance is optimized for a positive end-user experience
- Review and rewrite inefficient SQL code reducing expensive CPU and I/O costs

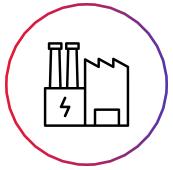
Database Care - Upgrades & Patch Management

- Major DB vendor database upgrades
- Incremental DB vendor updates and patch management services
- Ensures vendor compliance and maximizes supportability
- Ensures performance is optimized and value of investment is realized
- Allows your organization to benefit from feature releases and enhancements as they're made available

Database Secure - Advisory Service

- Provides a risk-based assessment of database contents and connections
- Provides insight into existing security controls, including authentication, encryption, masking
- Reviews database surface area in relation to common security threats
- Identifies database vulnerabilities and potential sensitive information

Bringing our Azure Managed Database Services to our clients



Energy Industry

- Helping energy companies leverage technology advancements to improve and secure access to data.
- We assist energy and utility sectors securing their databases in the cloud or on their premises.
- We provide proactive monitoring and 24*7 expert support aimed at managing, optimizing and administering their databases. Based on client preferences, we utilize both remote and/or local expertise.



Health Industry

- Keeping sensitive information accessible, available and secure in the HealthCare sector.
- We ensure the availability, performance and security of databases containing medical information. We ensure databases are upgraded and patched to the latest versions including SQL Server, PostgreSQL and MySQL. We ensure database systems are highly available around the clock by health professionals.



Financial Industry

- Safeguarding databases to protect financial information.
- Making critical financial systems accessible together with safe guarding systems to protect personal financial information for our clients. We work around the clock to ensure systems are reachable and accessible by our clients, markets and financial systems.

How can CGI help you get started

Agile based assessment that builds a strategic roadmap

Identify Optimal Solutions and Roadmap Development

Validate Current State

Explore and Validate Current State

- Develop a deep understanding of:
 - the current landscape
 - data sources
 - relevant processes
 - technical infrastructure

Outcomes:

- Leadership Alignment
- Current State --> Desired State mapping

Resourcing

- Engagement Lead
- Database Administrators
- Data Architects
- Business Consultants

Identify Optimal Solutions and Roadmap Development

- Develop a short list of potential solutions based on the current state assessment

Outcomes:

- Governance
- Prioritized list of:
 - Model
 - Architecture changes
 - Any dependencies
 - Skills to achieve changes

Gap Analysis

Readiness Assessment and Gap Analysis

- Develop a high-level cost benefit analysis and Technical Readiness Assessment based on the short list of optimal solutions
- Selecting best fitting solution tailored for the organization

Outcomes:

- List of Potential Gaps/Impediments
- Action plans to mitigate the impact of Gaps

Mobilization Plan

Mobilization and Next Steps

- High level implementation plan to provide a summerized roadmap based on current state and gap analysis based in proposed solutions

Outcomes:

- Initial momentum towards change
- High level implementation plan
- Final Presentation

Deliverables

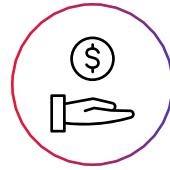
- Strategic Roadmap
- High level implementation plan
- Final summary of deliverables

Benefits of working with CGI



Engagement model

- Easily understood, predictable and highly effective
- Client-centric support
- Minimizes delays
- Improves delivery and transparency



Pricing model

- Uncomplicated and intuitive
- Easily scale your Managed Services for fluctuations in volumes and demand



Service delivery

- Client Centric Service Teams (CCST) and Agile delivery approach
- Build stronger, more collaborative relationships with clients



Bank of professional services hours

- Contractual governance process helps adapt to shifting business conditions



Support

- Data Discovery and Analysis
- Professional support with service requests
- Collaboration towards producing a model/strategy that fits each unique business needs

About CGI

Insights you can act on

Founded in 1976, CGI is among the largest IT and business consulting services firms in the world.

We are insights-driven and outcomes-based to help accelerate returns on your investments. Across hundreds of locations worldwide, we provide comprehensive, scalable and sustainable IT and business consulting services that are informed globally and delivered locally.

[cgi.com](https://www.cgi.com)

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