



Data Architecture Review

CGI Ltd

30 Jan 2026

Issue 1.0

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Service Definition overview

CGI's Data Architecture Review (Part of the CGI DataWorks suite of advisory services) helps public sector organisations assess the effectiveness, coherence, and future-readiness of their data landscape. The service identifies gaps in data governance, data quality, interoperability, and architectural alignment with business outcomes. The review evaluates how data is sourced, stored, processed, secured, and consumed, ensuring it is fit for decision-making and digital service delivery. Outcomes include a clear baseline of current capability and actionable recommendations to increase efficiency, improve decision intelligence and support strategic transformation.

Features

- Discovery to identify challenges and opportunities within existing data architecture.
- Development of target data architecture options
- Alignment of business imperatives with data handling capabilities.
- Considers both structured and unstructured data.
- Identification of key data capability improvement activities needed to support critical business outcomes.

Benefits

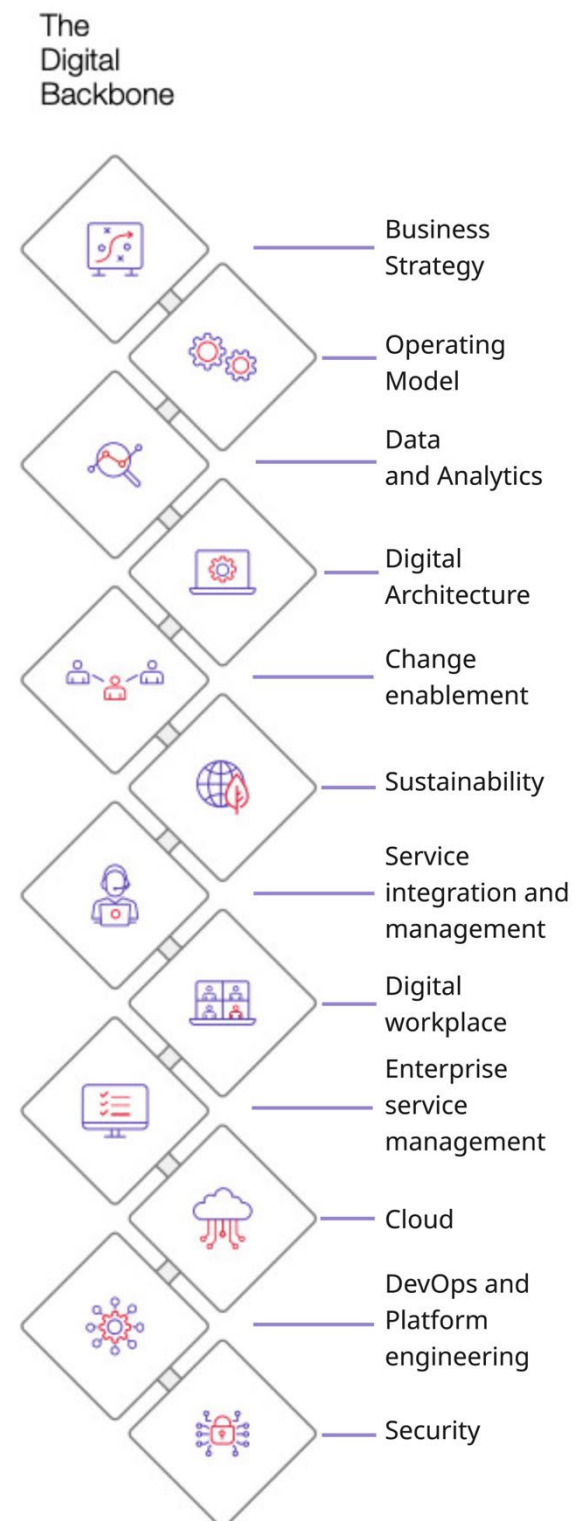
- Improved data handling efficiency and adaptability.
- Improved performance and speed to insight for decision makers.
- Improved system reliability and data quality.
- Improved cost effectiveness of data management.
- Improved organisational agility.
- Reduced compliance risk.

Why CGI?

CGI brings together technical, functional, and industry expertise to help global and regional clients solve business problems with data, analytics and AI.

CGI combines deep data and analytics expertise with domain knowledge across UK Government, health, policing, defence, taxation, and regulated sectors. Our client-proximity model ensures local accountability while being backed by global centres of excellence, reusable frameworks and proven methodologies. We are technology-agnostic across major cloud, data and analytics platforms, and we leverage CGI IP and accelerators where appropriate. Clients benefit from our multi-cloud partnerships, UK-cleared personnel, and our experience delivering secure, scalable, insight-driven architectures.

...all this built into our end-to-end digital transformation offering we call **the digital backbone**.



1. Service Description

1.1. Market Context

To remain competitive and relevant, organisations today need to continually sense the environment (data and insights), respond fast (decisions and actions) and drive on continuous improvement (performance governance)

Data enabled enterprises make evidence-based decisions. Those organisations not only have higher business agility but are also digital leaders. There's no digital transformation without data.

Data quality, data interoperability, operational excellence & attracting talent are becoming increasingly important business imperatives and emerging technologies such as cloud-based data lakes, AI & ML provide a direction to convert challenge into opportunity.

More often than not however we see that data is being captured in silos, not aligned to overall business strategy and rarely thought about across the full enterprise landscape. Decision-making based on poor-quality data ultimately leads to poor business decisions which are very costly in both the short and long term.

Whilst across industries it is clear there are many employees skilled in data it is rare to find an organisation which fully optimises the use of data through its sourcing strategy, governance, storage and processing, presentation of insights and decision governance to drive bottom line benefit.

1.2. Our Service

CGI's Data Architecture Review is a structured consultancy engagement that assesses an organisation's data capability across **People, Process and Technology**. The service strengthens the alignment between business outcomes and the underlying data architecture.

People

CGI evaluates roles, responsibilities, and skills across data governance, data engineering, architecture, analytics, and stewardship. We identify gaps in capability, decision governance, and data literacy, and outline role-based uplift needs aligned to DDAT/GDaD role families such as Data Architect, Data Engineer, Technical Architect, Business Analyst and Delivery/Project Manager.

Process

We assess how data is captured, defined, governed, shared and assured across its lifecycle. This includes validation of data standards, lineage management, metadata practices, quality controls, interoperability processes and access workflows. We also review the alignment between business processes and data flows to ensure insights can be produced reliably and consistently.

Technology

CGI reviews the current data landscape including integration tools, ingestion pipelines, storage platforms, API services, data warehouse/lake architectures, security controls and scalability constraints. Structured and unstructured data sources are considered. Technology posture is evaluated in relation to growth, performance, resilience, multi-cloud readiness and emerging data/AI use cases.

Our Data Architecture Review is a consultative offering which evaluates the level of data capability across key dimensions. The output of our assessment will inform valuable data initiatives that build on existing strengths and address areas of weakness.

The scope of the assessment can include:

- Business alignment
- Data management maturity
- Interoperability and lineage visibility
- Technology appropriateness, scalability and extensibility
- Security, access control, and encryption posture
- Cost efficiency across data platforms

- Business continuity and recovery readiness.

The output and Deliverables of the assessment can include:

- A baseline capability assessment across People Process and Technology
- A summary architecture map and data landscape view
- Gap analysis and prioritised improvement roadmap
- Data architecture options aligned to critical business outcomes
- Recommendations for governance uplift and data quality controls
- ROM-level estimates for future modernisation activities
- Executive playback and optional steering-group workshop.

1.3. Change Control

Any changes to agreed scope (e.g., additional systems, extra analysis, deep technical design) will be managed through change control in line with the buyer's governance process.

2. Data backup and restore

Not applicable – consultancy service. We do not host or operate buyer systems. We assess the buyer's backup and restore posture and report any gaps.

3. Service Continuity

Consultancy delivery only. CGI provides resource substitution and rescheduling to maintain continuity. Buyer platform continuity, resilience and disaster recovery remain the buyer's responsibility.

4. Onboarding and Offboarding

CGI performs a mobilisation session to confirm scope, stakeholders, access, artefacts, and delivery schedule.

Onboarding

- Mobilisation and governance alignment
- Identification of stakeholders and SMEs
- Confirmation of environments, tools and data access (read-only)
- Agreement of documentation sets to be reviewed
- Scheduling of interviews, workshops and analysis activities.

Offboarding

- Handover of final deliverables
- Playback of findings and recommendations
- Knowledge transfer to buyer teams
- Access revocation and artefact hand back.

Access to data upon exit

Any data provided by the buyer is used solely for assessment and is securely deleted in line with CGI retention policy unless otherwise agreed.

5. Service constraints

- Consultancy only – no live service management, hosting or operational run activities.
- Scope limited to buyer-owned environments and provided artefacts.
- SMEs must be available for interviews and validation sessions.
- Read-only access is agreed at mobilisation.

- Outputs depend on the accuracy and completeness of information supplied.
- Changes to scope require buyer approval.

6. Service levels

- Response to queries within 1–2 working days.
- Draft report within the timeframe agreed during mobilisation.
- Final report issued within 5 working days of feedback on the draft.
- Workshops and playbacks scheduled within normal business hours.

7. After sales support

CGI provides a post-engagement support window including:

- A playback session for senior stakeholders.
- Q&A support for 30 days following delivery.
- Optional follow-on consultancy for roadmap execution or deeper technical design.

8. Technical requirements

The buyer is expected to provide:

- Named SMEs for business, data and technical areas.
- Access to existing architecture diagrams, metadata, lineage, data catalogues and governance artefacts.
- Read-only system or platform access where required.
- Relevant security, privacy and retention policies.
- Access to repositories, data stores or API documentation as applicable.

9. Outage and maintenance management

Not applicable - consultancy service. Any automated discovery is scheduled with the buyer to avoid impact.

10. Hosting options and locations

Not applicable - no hosting is provided. Work is performed within the buyer's cloud or on-premises environments. Delivery is UK-based by default.

11. Security

CGI ensures:

- Personnel hold appropriate UK Government BPSS or higher screening.
- Access follows least-privilege principles.
- Encryption is applied to any transferred artefacts.
- Data is handled in line with CGI ISO 27001 controls.
- Data is deleted following contract closure or as contractually agreed.

12. Service Pricing and Terms and Conditions

12.1. Pricing

Please refer to the G-Cloud 15 portal for the rates available.

12.2. Terms and Conditions

Please refer to the associated Terms and Conditions document relevant to this service, including termination provisions.

13. Further information

For more information about this or any of our G-Cloud services, please contact us:

Phone: +44 0845 070 7765. Ask to speak to the G-Cloud team.

Email: uk.gen.ccsframeworks@cgi.com

Please include the following information:

1. The name of this service.
2. The name of your organisation.
3. Your name and contact details.
4. A brief description of your business situation.
5. Your preferred timescales for starting the work.

We will prepare a quotation for you. Once the quotation is agreed upon, we will issue you the necessary documentation (as required by the G-Cloud Framework) and ask you to provide us with a purchase order.

Once we have received your purchase order, the services will be configured to the requirements agreed with invoices issued to you for the services procured.

On a monthly basis, we will also complete the mandated management information reports to Government Procurement.

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The information in this proposal is submitted on 30 Jan 2026 - Issue 1.0 on behalf of CGI by the following authorised representative:

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