# CGI's incrementally scalable data governance offering

CGI

Overview

With an exponential increase in digital consumer interactions and a significant decrease in storage costs, organizations across industries are generating, collecting and storing vast amounts of data. This data has been acquired from diverse acquisition portals, using bespoke formats, and stored in varied storage environments.

The mandate of being more data-driven and cloud-native, has forced organizations to move all this data centrally into Data lakes, or more so, Data swamps.

The issue? With no traceable data lineages or single source of truth, insights and reports are inaccurate, compliance is harder to meet, and advanced analytics use-cases are delayed significantly.

This hurts revenue and reputation, and the lost opportunity cost of this is huge.

Challenges in understanding and governing the data across entire data estate

Traditional data management solutions rely on multiple unconnected, duplicative business processes, and a patchwork of software products augmented with custom code and point-wise integrations. Dozens of products are sometimes used together to address fragments of the data governance and compliance landscape, forcing Chief Data, Security, Compliance, and Legal Officers to stitch together solutions that don't work together, expose infrastructure gaps, and are costly and complex to manage.

Common industry use cases

① Data cataloguing

Problem

Data teams in large bank had to go through **painful data discovery** at the beginning of every project.

Solution

- Create a data warehouse
- Search capabilities in data warehouse
- Easy way to analyze data from all sources
- Develop faster business decisions based on the data analyzed
- Assist with new solution development

34%

of time analysts waste trying to find the data

Outcome

- 8 weeks of data discovery
- Data report on analysis
- Strategy report on how to cut costs on project execution time

② Data discovery

Problem

To find data, analysts of leading airline **had to know data existed**, then identify the right colleague and ask for it.

Solution

- Auto-generated catalog
- Permissions depending on the member role
- Pre-process data into clean/usuable datasets
- Easy way to analyze data from all data sources
- Prepare reports with unique insights that could change the thought process

$12.9 M

avg. poor data quality costs to organizations yearly

Outcome

- A data warehouse
- A data catalog
- Reports with insights that could boost up the revenue up to 80% based on the data given

Common industry use cases

③ Data enrichment

Problem

Data stewards in large telco had to **curate data manually**, which was time-consuming and cumbersome.

Solution

- Pre-process data into clean/usuable datasets
- Create a data warehouse using raw internal and third-party data
- Auto-generated catalog
- Easy way to analyze data from all data sources
- Prepare reports with unique insights that could change the thought process

34%

of decision-makers say they feel confident in their data

Source: Forrester

Outcome

- A data warehouse
- A data catalog
- Reports with insights that could boost up the revenue up to 80% based on the data given

④ Data management

Problem

Explosion of data in growing fintech needed an easier way to **manage data** compliance and keep up with regulations.

Solution

- Pre-process data into clean/usuable datasets
- Create a data warehouse
- Auto-generated catalog
- Prepare custom tags for private identifiable information
- Monitor private information

$3.8 M

avg. cost of data breach in a company

Outcome

- A data warehouse
- A data catalog
- Monitor/reports on GDPR certification data

CGI's incrementally scalable data governance

Govern, protect, and manage your data estate

At CGI, we believe that the new way to optimize your data strategy is to deliver a unified view of data in the organization across hybrid, multi-cloud environments by bringing together the business users of data with the protectors of data. As a Solutions Partner for Infrastructure (Azure), Data & AI (Azure), and Digital & App Innovation (Azure), CGI has invested in building an Incrementally Scalable Data Governance (ISDG) offering on Microsoft Purview. Combining our expertise with our ISDG offering, we can help you understand and govern the data across your estate, safeguard that data wherever it lives, and improve your risk and compliance posture in a much simpler way than the traditional solutions.
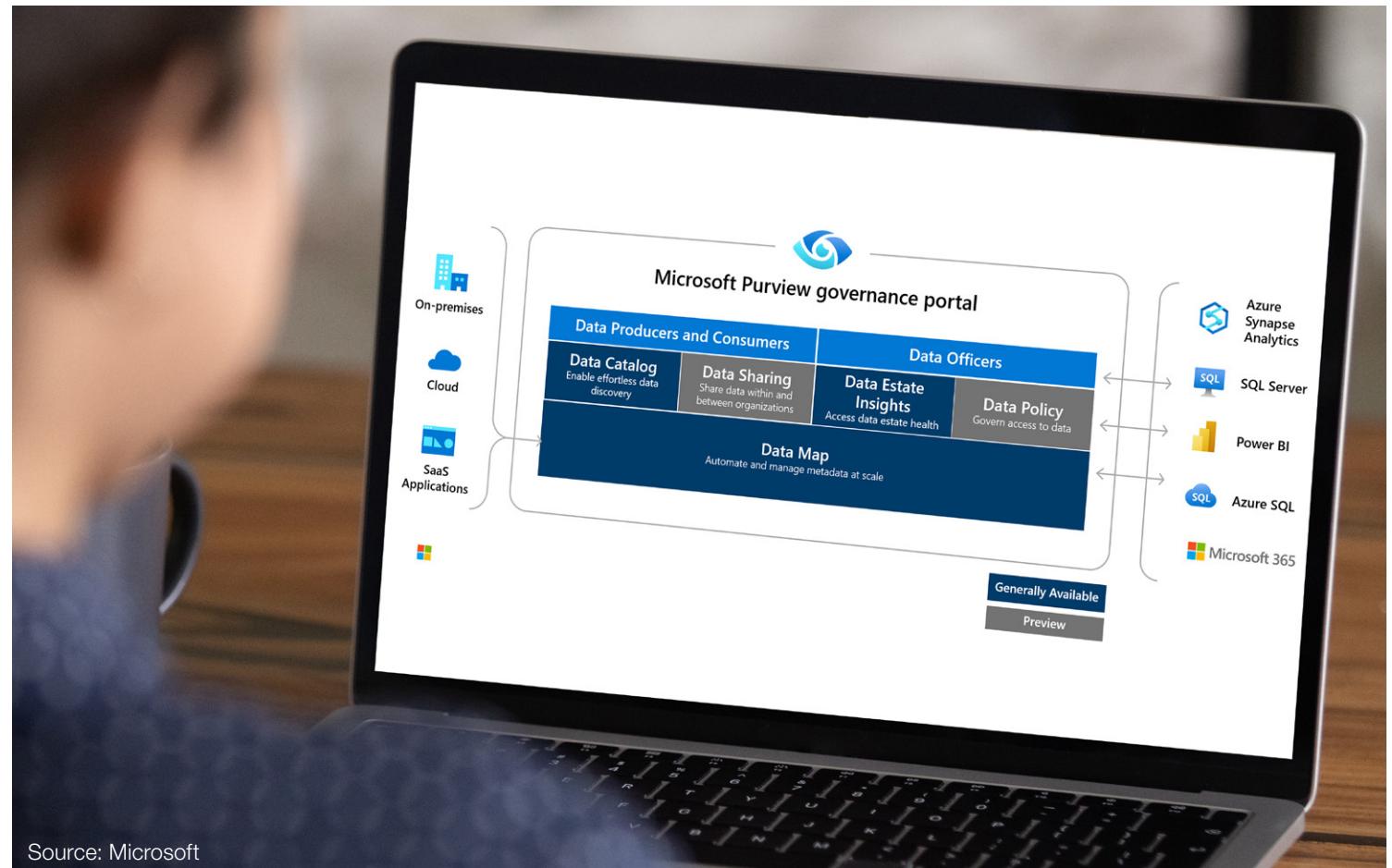
Source: Microsoft

CGI's solution areas
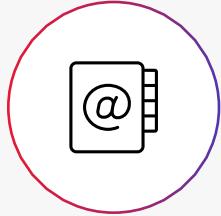
Catalog business-critical assets

Store and map info about data using Microsoft Purview Data Map, support decision making with high quality reports, enforce compliance and keep systems healthy.
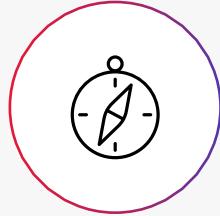
Discover business-critical assets

Classify data using Microsoft Information Protection sensitivity labels, search through the catalog, find hidden info, generate insights for top management.

Track data to understand its origin

Track data back to its origin, ensure it's valid, feed reliable reports to management by using Microsoft Purview's interactive data lineage visualization.

Enrich metadata on business-critical assets

Gather insights from Microsoft Purview's Data Estate Insights, enrich the catalog to empower others find and use data while making critical business decisions.

Manage data assets with friendly user experience

Define data access policies to automatically enforce based on groups and users using Microsoft Purview Data Policy.

How can CGI help you get started

8-12 weeks agile based assessment that builds a strategic roadmap

4-6 Weeks Identify Optimal Solutions and Roadmap Development

1-2 Weeks **Validate Current State**		2 Weeks **Gap Analysis**	1-2 Weeks **Mobilization Plan**
Explore and Validate Current State	**Identify Optimal Solutions and Roadmap Development**	**Readiness Assessment and Gap Analysis**	**Mobilization and Next Steps**
• Develop a deep understanding of: – the current landscape – data sources – relevant processes – Azure infrastructure and integrations – key stakeholders for ISDG adoption	• Analyze Azure ecosystem at the client side to outline potential Purview solution options to optimize ISDG • Develop a short list of potential Microsoft Purview implementation solutions based on the current state assessment	• Develop a high-level cost benefit analysis and Technical Readiness Assessment based on the short list of optimal solutions • Identify the right Microsoft Purview components to select the best fitting solution tailored for the client	• Concluding stage to focus on developing a mobilization plan to provide short and mid-term plans • Enable a way forward towards implementing the best-fit solution and get ahead of potential roadblocks
Outcomes:	**Outcomes:**	**Outcomes:**	**Outcomes:**
• Proper understanding of the Azure ecosystem being utilized • Leadership Alignment • Current State --> Desired State mapping	• Defined Roadmap • Prioritized list of: – Model – Architecture changes – Any dependencies – Skills to achieve changes	• List of Potential Gaps/Impediments • Action plans to mitigate the impact of Gaps • Updated Roadmap	• Initial momentum towards change • Mobilization plan • Acceleration Plan • Final Presentation

Resourcing
- Engagement Lead
- Data Governance Architects
- Data Governance Consultants
- Business Consultants

Deliverables
- Strategic Roadmap for Microsoft Purview implementation
- Mobilization Plan
- Acceleration 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

Microsoft Purview expertise

- Deeper dives into key Microsoft Purview components to carefully curate what makes sense
- Staying on top of recent tool updates, configurations or feature changes to streamline change management

Service delivery

- Client Centric Service Teams (CCST) and a DevOps delivery approach combined with Microsoft Purview expertise
- Build stronger, more collaborative relationships with clients
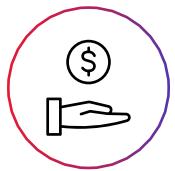
Fair pricing model

- Uncomplicated and intuitive pricing model

Bank of hours professional services

- Contractual governance process helps adapt to shifting business conditions and review
- Facilitates rapid change with an innovation-driven

Support

- Data Discovery and Analysis
- Professional support with service requests and customization
- 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 21 industry sectors in
400 locations worldwide, our 90,000 professionals provide
comprehensive, scalable and sustainable IT and business consulting
services that are informed globally and delivered locally.

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