

Legacy Data Platform Discovery & Migration Assessment

SERVICE DEFINITION DOCUMENT - VERSION 1.0

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1. Detailed Service Description

1.1 Overview

The GlobalLogic Legacy Data Platform Discovery & Migration Assessment removes the guesswork from complex legacy data platform migrations.

Many public sector organisations face significant risks when modernising legacy data estates due to the blind spots that exist - unmapped complexity, undocumented dependencies, tightly coupled reporting lines, and "shadow IT". Unpicking this requires an experienced partner with a proven track record in legacy data platform migrations.

Our discovery process generates a forensic, line-by-line inventory of your estate to identify exactly what exists, what is dormant, and how to modernise it. This data-driven approach delivers a validated execution plan, mapping your legacy workloads from systems such as Teradata or SAS to modern cloud-native ecosystems such as AWS, Databricks, or Snowflake.

By quantifying complexity and mapping dependencies upfront, we enable a risk-managed transition that unlocks innovative data & AI capabilities and ensures zero disruption to business-critical systems.

1.2 Scope of the Service

This service covers the discovery, assessment, and planning phases of migration:

- **Automated Estate Scanning:** Analysis of legacy objects such as SAS scripts, BTEQ, and Teradata DDL using automated tooling.
- **Inventory Generation:** Creation of a "Master Inventory" database—a single source of truth for all system objects (Tables, Views).
- **Complexity Scoring:** Calculation of volumetrics (row counts, columns) and complexity scores for every script.
- **Dependency Mapping:** Mapping inputs/outputs across legacy and target cloud platforms.
- **Migration Playbook:** Grouping objects by risk and dependency to define specific migration strategies (Auto vs Manual).
- **Decommissioning Analysis:** Identification of dormant tables and databases to reduce migration volume.

1.3 Delivery Approach

We deliver this assessment through a structured engagement model typically over 12 weeks:

- **Initiation (Week 1):** Kick-off, mobilisation, and access setup.
- **'AS-IS' Analysis (Weeks 2-3):** Automated scanning of the estate to validate feasibility and data volume.
- **Process & Operating Model (Weeks 4-5):** Stakeholder interviews to understand business context and reporting lines.
- **Prioritisation (Week 6):** Risk assessment and feasibility grouping to inform the migration wave plan.
- **Delivery Roadmap (Weeks 7-9):** Creation of the high-level migration plan and "To Be" architecture design.
- **Architecture & Sign-off (Weeks 10-12):** Finalisation of the target design (e.g. AWS/Databricks/Snowflake) and agreement on the execution plan.

1.4 Tools, Methods & Standards

- **The "Scanner":** Proprietary and partner-integrated automated analysis engine, using best practice tooling such as AWS SCT or Dataswitch, as well as proprietary GL scripts and tools
- **The "Vault":** Inventory database acting as the single source of truth.
- **The "View":** Dashboards for strategy, planning, and visualisation of complexity.
- **Agile Delivery:** Iterative assessment reporting.
- **Cloud Standards:** Alignment with industry best-practice standards such as AWS Well-Architected Framework or equivalent standards for Snowflake/Databricks.

1.5 Deliverables

- **Discovery Report:** Comprehensive analysis of current state, feasibility, and technical debt.

- **Master Inventory:** A granular database of all discovered assets, tagged with unique IDs and owners.
 - **Scope Inventory Dashboard:** Interactive view of estate complexity and dependencies.
 - **Migration Playbook:** Detailed mapping of object groups to migration strategies.
 - **Defined Roadmap:** Prioritised plan for the subsequent migration execution and Pilot phase
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1.6 Dependencies & Constraints

- **System Access:** The service requires access to legacy systems, including logs and script repositories, with appropriate permission levels.
 - **System Availability:** Source systems must be fully available and functional during scanning windows.
 - **Client SMEs:** Access to client subject matter experts
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1.7 Customer Responsibilities

- Provision of necessary access rights, deployment environments and firewall clearances for the analysis tooling.
 - Availability of technical stakeholders for interviews and workshops.
 - Timely review and sign-off of the Discovery Report and Roadmap.
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1.8 Quality Assurance & Governance

- **Automated Validation:** We use automated "Ground Truth" analysis to replace manual surveys, ensuring higher accuracy.
 - **Complexity Scoring:** Every object is assigned a complexity score to ensure estimates are based on reality, not assumptions.
 - **Weekly Reporting:** Comprehensive overview of access, usage, and progress provided weekly.
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1.9 Security, Data Protection & Compliance

- **Certifications:** GlobalLogic is ISO 27001 and Cyber Essentials Plus certified.
 - **Data Handling:** All assessment data is handled in accordance with GDPR and client security policies.
 - **Secure Connectivity:** We design secure cloud platform connectivity to on-premise systems for analysis.
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2. Onboarding & Offboarding

2.1 Onboarding

Onboarding initiates in Week 1 with a kick-off workshop to confirm scope, stakeholders, and access requirements. We deploy our "Scanner" tools and establish connectivity to the "Vault" inventory database.

2.2 Offboarding

Upon completion (typically Week 12), we handover all deliverables including the Master Inventory, Discovery Report, and Migration Roadmap. All temporary access rights are revoked, and assessment data is securely transferred to the client or deleted in accordance with the contract.

3. Pricing & Commercials

This service can be delivered via two commercial models [user input]:

- **Fixed Price:** A defined cost for a specific scope of assessment (e.g., assessing a specific business unit or data domain).
- **Time & Materials:** Based on the GCloud Rate Card for the Engineering Team size required (e.g., Team of 6 for large estates).

Note: Precise commercials are provided following a scoping workshop to understand the size of the data estate.

4. Case Studies

4.1 Tier-1 Global Financial Institution – Teradata Exit

- **Challenge:** The client's Teradata platform was a critical risk and a barrier to data access, with unsustainable maintenance costs. They needed to migrate to a cloud-native data lake (Snowflake/AWS).
 - **Solution:** GlobalLogic deployed the automated analysis engine to discover the estate. We decommissioned 59,000 tables in 8 weeks and identified dormant databases, saving 18TB of storage.
 - **Outcome:** We designed the cloud-native architecture and started migrating workloads within 3 months. The approach reduced the total migration duration by approximately 6 months.
 - **Client Quote:** "GlobalLogic succeeded in executing a comprehensive analysis of our data estate where other suppliers failed. The results changed our migration strategy from an assumption-based risk to a data-driven plan." – CIO.
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5. About GlobalLogic & Why We're the Right Partner

5.1 About GlobalLogic

GlobalLogic, a Hitachi Group Company, is a leader in digital product engineering. We helped create some of the most innovative and widely used digital products and experiences. We integrate experience design, complex engineering and AI & data expertise to help public sector organisations and commercial enterprises accelerate their transition into digital-first businesses.

Unlike traditional systems integrators that focus on maintaining legacy IT, we focus on **building the new**. We combine a "chip-to-cloud" software engineering mindset with user-centric design to create digital products that citizens and employees want to use.

- **Global Scale, Local Delivery:** We employ over 32,000 professionals across 23 countries. In the UK & Ireland, we operate major engineering and design hubs in London, Manchester, Edinburgh, and Newry.
- **The Hitachi Advantage:** Acquired by Hitachi in 2021, we bring the agility of a Silicon Valley digital native backed by the financial stability, R&D depth and 110-year heritage of a global industrial giant.
- **Core Capabilities:** Our services span the full digital lifecycle, including Digital Advisory, Experience Design (via our Method design arm), Software Engineering, Data & AI, and Cloud Platform development.

5.2 Why GlobalLogic

We bridge the gap between strategic intent and technical execution. For public sector buyers, we offer a distinct alternative to incumbent providers by focusing on **delivery velocity** and **engineering rigour**.

- **We Build, We Don't Just Advise:** Our roots are in product engineering. We apply the same rigorous standards used to build life-critical medical devices and global banking platforms to public sector challenges. We deliver working software, not just slide decks delivering >2000 product releases per annum.
- **Velocity AI – Accelerating Impact:** We do not just build AI; we engineer ecosystems where intelligence is orchestrated across the business. Using our Velocity AI strategy, we typically

achieve a **30% increase in productivity and a 25% reduction in time-to-market** for new digital services.

- **User-Centric, Security-First:** We align with GDS (Government Digital Service) standards by default, ensuring services are accessible and intuitive. Crucially, we embed security into the engineering lifecycle (Secure-by-Design), aligning with NCSC principles to manage data and risk effectively.
- **Proven in Regulated Environments:** We have two decades of experience delivering in highly regulated sectors, including Life Sciences, Healthcare, and Financial Services. We understand how to navigate complex compliance landscapes without sacrificing the pace of innovation and hold (amongst others) **ISO 13485 certification** and follow **IEC 62304 compliant** software development lifecycles.

5.3 Social Value & Ethical Impact

We believe that social innovation is as critical as technical innovation. GlobalLogic, as part of the Hitachi Group, operates with a deep commitment to creating positive impact for people and the planet. Our approach is grounded in measurable outcomes and global ethical standards.

- **World-Class Ethical Leadership:** In 2025, Hitachi was named one of the **World's Most Ethical Companies** by Ethisphere. This recognition reflects our commitment to integrity, compliance and high standards of governance in every public sector engagement.
- **Commitment to Diversity and Inclusion:** We are a signatory of the **CEO Action for Diversity and Inclusion**. We achieved the Hitachi Group 2030 goal of having **30% women in our workforce** in 2023, seven years ahead of schedule.
- **Sustainable Operations:** GlobalLogic holds an **EcoVadis Silver Rating**, placing us in the **top 15%** of companies assessed for sustainability in our sector. We report our own Scope I, II and III emissions and are fully aligned with Hitachi's target to achieve carbon neutrality at all business sites by 2030.
- **Proven Supply Chain Integrity:** Our **NQC Supplier Assurance** score exceeds the industry average by **25%**. This ensures that our delivery models are as responsible as they are resilient.
- **Talent Development and Wellbeing:** GlobalLogic is recognized as a global leader in talent development, receiving the **ATD Best Award in 2025**. This ensures our public sector teams are continuously upskilled in the latest technologies, including responsible AI and secure engineering practices.

6. Contact Details

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