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Hitachi Solutions Europe

G-Cloud 15 Service Definition Document

AI Data Readiness for Fabric

AI Data Readiness for Fabric

What the service is, what you get, and the benefits

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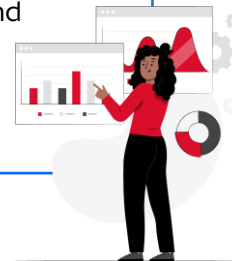
Service Description

Prepare data in Microsoft Fabric for artificial intelligence use cases. We assess data quality, access, sensitivity and lineage, then implement governance, cataloguing and preparation pipelines. Outputs include curated datasets, documentation, and controls for secure, reliable model training, retrieval augmented generation, and analytics.



Service Features

- Data readiness assessment for Fabric and artificial intelligence.
- Data profiling, quality rules and improvement backlog.
- Sensitivity classification and information protection configuration.
- Access controls, least privilege permissions and secure sharing.
- Data lineage and catalogue setup using Microsoft Purview.
- Curated lakehouse datasets for training and search use.
- Feature store or curated tables for machine learning.
- Data pipelines for extract, transform and load preparation.
- Prompt and grounding data design for agents.
- Governance playbooks, stewardship roles and adoption training.



Service Benefits

- Improve model accuracy with cleaner, consistent training data.
- Reduce oversharing risk through permissions and classification.
- Speed up delivery with reusable datasets and pipelines.
- Increase trust with documented lineage and data definitions.
- Support compliance with auditable controls and evidence packs.
- Enable safer agents with approved grounding sources.
- Reduce rework by addressing data issues early.
- Improve collaboration using a searchable data catalogue.
- Optimise Fabric performance with curated, well-modelled datasets.
- Build internal capability through playbooks and coaching.



AI Data Readiness for Fabric

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Make Fabric data safe and usable for AI



What this service is for

Turn messy, risky data into trusted AI-ready assets

Teams often start AI work before the data is ready: inconsistent definitions, unknown lineage, unclear permissions, and sensitive data mixed into training and grounding sources. That creates rework, slow delivery, and avoidable assurance concerns.

This service prepares your Microsoft Fabric data for model training, retrieval augmented generation, and analytics by improving quality, tightening access, and making data traceable and governed. You leave with curated datasets, clear controls, and documentation that supports day-to-day delivery and audit needs.

Key outcomes: Improve model accuracy with cleaner, consistent training data. | Reduce rework by addressing data issues early. | Enable safer agents with approved grounding sources. | Increase trust with documented lineage and data definitions



Why this service is useful

Reduce AI risk and speed up delivery

AI pilots fail quietly when teams cannot prove what data was used, who can access it, or how it was prepared. This is especially painful in government where assurance, traceability, and clear accountability matter as much as speed.

By profiling data, setting quality rules, applying sensitivity classification, and implementing least privilege access, we help teams move from “interesting” to “safe and repeatable”. You get reusable pipelines and a searchable catalogue so delivery teams spend less time chasing data issues and more time improving outcomes.

Common triggers: Starting GenAI or agent pilots | Data quality issues blocking AI use cases | Unclear sensitivity and sharing rules | Audit or assurance evidence needed | Purview catalogue and lineage not in place | Scaling Fabric beyond a few datasets



Why this service is different

Evidence-led improvements, not vague “data strategy”

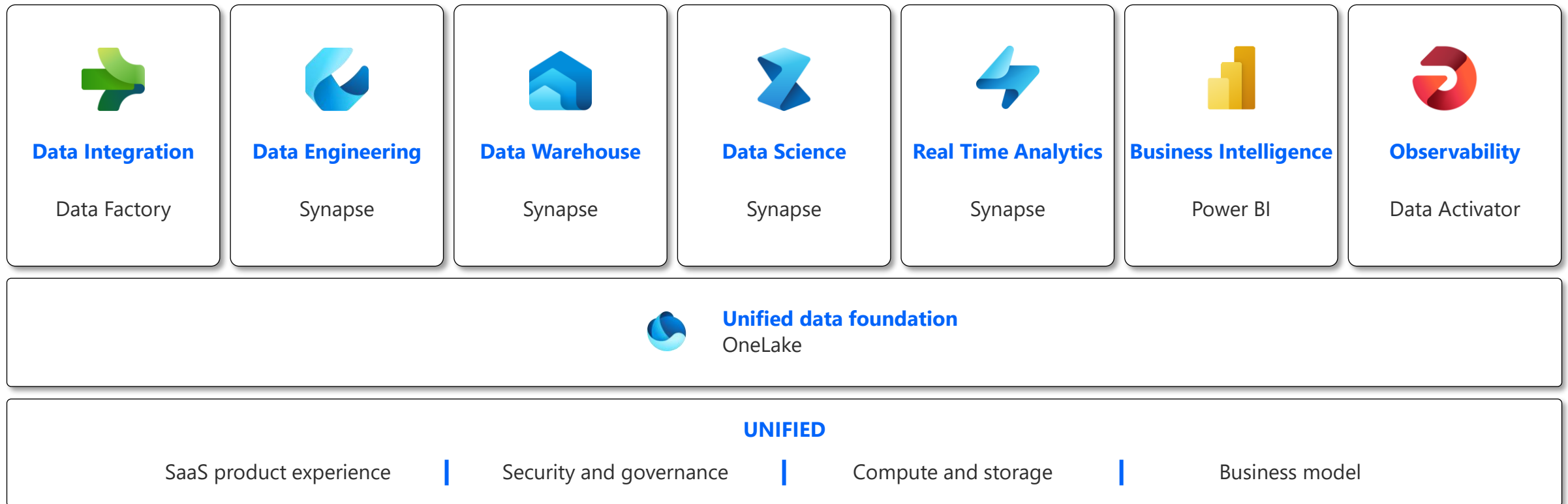
We focus on practical readiness work that delivery teams can use immediately: what data is fit for purpose, what must be protected, and what controls are needed to operate safely. The outcome is decisions you can stand behind, backed by traceable artefacts and clear ownership (where required). We implement governance, catalogue and preparation pipelines inside the tools teams already use, including Microsoft Purview, and we keep changes iterative so you can prioritise what matters most and avoid big-bang redesign.

Differentiators: Evidence pack outputs (where required) | Least privilege and secure sharing by design | Lineage and definitions built in, not bolted on | Practical backlog for improvements | Adoption playbooks and coaching

Microsoft Fabric does it all – in a unified solution

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An end-to-end analytics platform that brings together all the data and analytics tools that organisations need to go from the data lake to the business user



Why you should be interested in Microsoft Fabric?

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1. **Ease of use** - integrates proven data technologies in a single unified interface
2. **Simplified data access** - data available in one location without needing to copy it from the source
3. **Improved data management and governance** - all data available in OneLake managed through workspaces (like folders in OneDrive) + additional integrated data governance capabilities
4. **Extended data, analytics and AI capabilities** - data science, real-time analytics, and copilot as a natural extension to Power BI
5. **Multi-cloud data platform** - no need to migrate all workloads or data to Fabric

What does this enable?

- ▶ Faster time-to-market for **Analytics Prototypes / POCs**. More time to focus on the business use case
- ▶ SaaS offering makes **adoption of analytics** use cases easier. More accessible for a wider audience
- ▶ **Migrate to Power BI** (from Qlik, Tableau, ...) with broader data and analytics capabilities

How we will deliver

Iterate from evidence to build to handover

We start by aligning outcomes and confirming what “ready” means for your AI use cases. We then gather evidence through profiling and risk review, agree a prioritised backlog, and implement controls and curated datasets in Fabric. We validate with users and stakeholders, then hand over with documentation, playbooks and coaching so your team can sustain and extend the work.

Mobilise & Align

Objective: Get clear on outcomes, scope, and how we’ll make decisions fast.

- Confirm AI use cases (training, RAG/agents, analytics) and success measures
- Identify priority domains, datasets, owners and stewardship roles
- Confirm Fabric/Purview access, environments, and delivery cadence
- Define “ready” criteria for the selected use cases (where required)
- Set up delivery controls: actions, RAID, decision log (where required)

Outputs

- Agreed scope and success measures
- Delivery plan and governance touchpoints

Assess & Evidence Readiness

Objective: Create an evidence-based view of readiness across quality, access, sensitivity, and lineage.

- Profile priority datasets and document data quality issues and patterns
- Define quality rules and draft an improvement backlog
- Review permissions and sharing; identify least privilege gaps
- Assess sensitivity and confirm classification approach (where required)
- Baseline lineage and catalogue state, including Purview coverage

Outputs

- Readiness assessment findings and prioritised improvement backlog
- Initial catalogue/lineage gaps list (Purview) and risk notes (where required)

Design & build the AI-ready data layer

Objective: Implement the controls and curated data products needed for safe, repeatable AI use.

- Implement quality rules and data preparation pipelines (ETL) in Fabric
- Create curated lakehouse datasets for training and search use
- Build feature store or curated ML tables where needed
- Configure access controls and secure sharing (least privilege)
- Configure sensitivity labels/information protection (where required)
- Set up or enhance Purview catalogue and lineage capture
- Design prompt and grounding data patterns for agents (where required)

Outputs

- Curated datasets, reusable pipelines, and documented definitions
- Permissions model and Purview catalogue/lineage updates

Validate, hand over and embed

Objective: Prove it works in practice, support assurance needs, and enable your team to sustain it.

- Validate datasets and pipelines with users (fit-for-purpose checks)
- Validate access controls and secure sharing behaviour
- Confirm lineage, catalogue usability, and data definitions are clear
- Produce documentation: how-to, runbooks, and governance playbooks
- Coaching sessions for stewards and delivery teams
- Create a prioritised next-steps backlog for further scale-out

Outputs

- Handover pack: documentation, playbooks, backlog, and walkthroughs
- Evidence pack for assurance/audit (where required)

The Hitachi logo is displayed in a bold, white, sans-serif font in the upper right corner of the image. The background is a photograph of a grand, multi-story classical building with a curved facade, many windows, and a balcony with a decorative railing. A large Union Jack flag is flying from a pole attached to the building. The overall image has a muted, greyish tint.

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Hitachi Solutions Europe

UK Government Overview

Hitachi Solutions for the UK Government

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Our **vision** is to be government's partner of choice for the design and delivery of **sustainable, human-centred, Microsoft Solutions and digital services**.

Human-centred Services

Every service starts with people and how technology can make their day simpler.

+

Deep Microsoft Expertise

Hitachi Solutions is dedicated exclusively to the Microsoft ecosystem.

+

Emotionally Aware Delivery

Our former civil servants bring deep understanding and cultural alignment.

=

+

One Hitachi

Hitachi Solutions is part of Hitachi, Ltd., one of the world's largest and most respected organisations.

Sustainable government transformation.

Human-centric by default.

Powered by Microsoft.



Our Credentials

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Microsoft



Microsoft global Government and Finance
Partner of the Year 2025

Microsoft Partner of the Year 2025 Finalists in
Build and Modernise AI Apps, Dynamics 365
Supply Chain, Dynamics 365 Sales and Customer
Insights, and Low Code Application Development

22 Years in **Microsoft's Inner Circle**
(including 2025)

Microsoft Solutions Partner across AI Business
Solutions, Cloud and AI Platforms and Security
with **18+ specialisations**

Industry



Keystone member of the **Government Digital
Sustainability Alliance**

Crown Commercial Service Supplier

Cyber Essentials Plus Certified

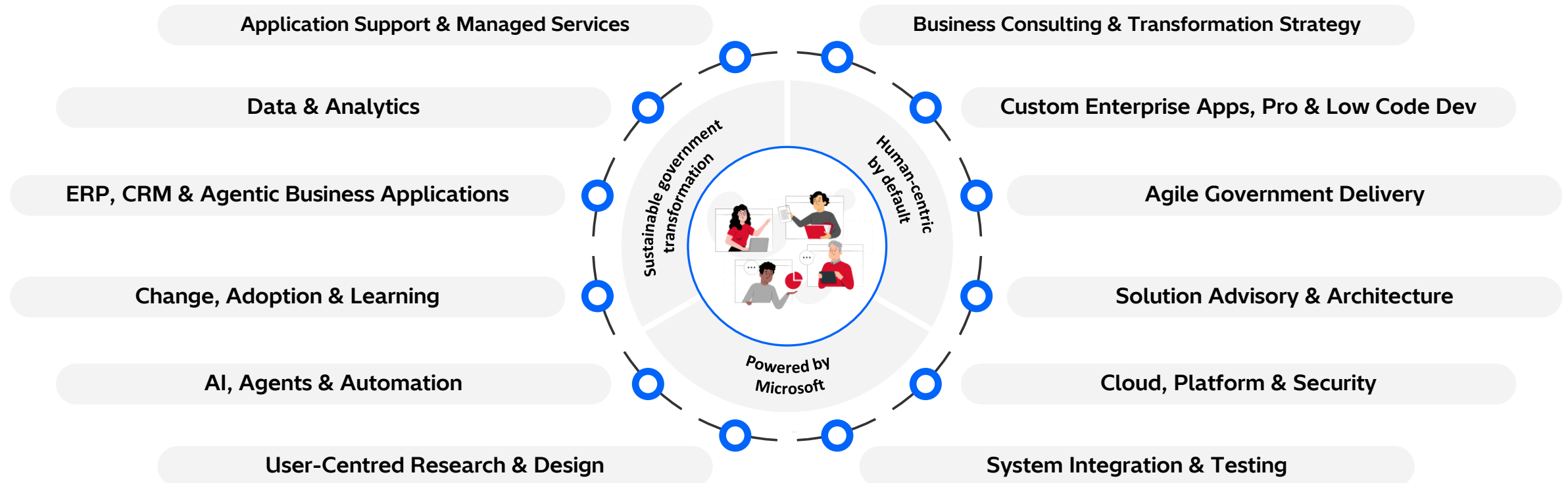
ISO-certified across Quality, Environment, Service,
Business Continuity, Information Security, and
Privacy Management

Recognised in the **Smarter Working Live Awards**
for our regulatory services Customer Experience
work with the Environment Agency

Our Services and Expertise

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Sustainable business transformation through tailored advisory, consulting, and technology solutions.



Our Clients



"Hitachi Solutions brings substantial digital expertise to the table, complementing our robust business experience. Their insights have been instrumental in identifying opportunities for enhancement and accelerating our initiatives."

Gillian Pratt
Deputy Director Future Regulation
at Environment Agency



"Hitachi Solutions brought in a great project team who we kept for the full duration; they engaged with The Royal Mint side of things very effectively. It really felt like they were part of our own team."

Richard Hobbs
CIO The Royal Mint



"Hitachi Solutions bring the innovation, space and expertise needed to deliver digital transformation at a pace that is needed."

Andy MacDonald
Director of Customer Services,
Aberdeen City Council



"Hitachi Solutions were really good to work with, expertly turning our processes into slick system functionality. Their patience, understanding and "one team" approach to this project facilitated a free-flowing, inclusive environment. Hitachi Solutions' expert technical teams have delivered a great user experience, employing creative thinking to deliver to our often complex requirements."

Daniel Saward
OIA Head of Digital Technology



"DHSC collaborates closely with Hitachi Solutions LTS, emphasising the significance of our enduring partnership characterised by collaborative teamwork and mutual trust. Operating with a framework of high trust and capability, Hitachi Solutions ensures the delivery of quality and excellence to DHSC. Hitachi Solutions should be very proud of their track record in DHSC."

Bryan Rayner
Head of IT Business Systems



"Right from the start, we recognised in Hitachi Solutions a potential partner that would listen to us and really recognise the value of what we were trying to achieve, the lifesaving benefits of what we were trying to build and support."

Alex Duncan
Chief Technology Officer



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