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Microsoft Power Bi and Data Management Services

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Service Overview

Unlocking Intelligent Insights with Microsoft Fabric & Azure AI

Empower your organisation with a unified, AI-driven data platform. Littlefish provides end-to-end data management services built on Microsoft Fabric and Azure AI Foundry, transforming how you collect, manage, and act on data.

Moving beyond traditional reporting, our service implements a modern "Lakehouse" architecture. We unify your data estate using OneLake—eliminating silos and duplication—while deploying intelligent agents and predictive models via Azure AI Foundry to solve complex business challenges.

Whether you need to modernize legacy data warehouses, implement real-time analytics, or deploy secure Generative AI assistants, our experts ensure your data platform is secure, scalable, and cost-optimized.

Key Features

Core Data Platform (Microsoft Fabric)

- Unified Data Estate (OneLake): Implementation of "OneLake" to provide a single, logical data lake for the entire organization. All workloads (SQL, Spark, Power BI) access the same data without copying or moving it.
- End-to-End Data Engineering: Cloud-scale ingestion and transformation using Data Factory pipelines and Spark notebooks to prepare data for analysis.
- Real-Time Intelligence: Capabilities to analyze streaming data from IoT devices, logs, and sensors in real-time for immediate operational decision-making.
- Fabric Capacities Management: Strategic management of Fabric Capacities (F-SKUs) to optimize compute spend across all workloads.

Artificial Intelligence & Innovation (Azure AI Foundry)

- Generative AI & Copilots: Development of secure, custom AI agents using Azure AI Foundry (formerly AI Studio) that can reason over your internal data.
- Retrieval-Augmented Generation (RAG): Implementation of "Chat with your Data" solutions, allowing staff to query knowledge bases and documents using natural language.
- Responsible AI Governance: Configuration of safety systems to detect and block hallucinations, bias, or harmful content, ensuring compliance with public sector standards.
- Predictive Analytics: deployment of machine learning models to forecast trends, demand, and operational outcomes.

Visualization & Action (Power BI)

- **DirectLake Analysis:** Utilization of Fabric's DirectLake mode to unlock blazing-fast reporting performance on massive datasets without importing data.
- **Interactive Dashboards:** Creation of intuitive, mobile-friendly visual representations of KPIs to drive evidence-based decision-making.
- **Governance & Compliance:** Integration with Microsoft Purview for end-to-end lineage, sensitivity labelling, and data loss prevention.

Customer Benefits

- **Eliminate Data Silos:** By using OneLake, we remove the need for multiple copies of data, ensuring a "single version of the truth" across the organisation.
- **Cost Efficiency:** Microsoft Fabric's unified capacity model allows you to purchase a single pool of compute for all workloads (Engineering, Warehousing, Science), often reducing Total Cost of Ownership (TCO) compared to paying for fragmented services.
- **Accelerated AI Adoption:** We help you safely move from "AI Pilot" to production by using pre-built AI Foundry tools that handle the complex infrastructure of Large Language Models (LLMs) for you.
- **Simplified Governance:** Built-in integration with Microsoft Purview ensures that your data remains secure and compliant with UK data residency and privacy regulations.
- **Self-Service Empowerment:** With Copilot integration, non-technical business users can ask questions of their data using natural language, reducing the bottleneck on central IT teams.

Service Management

Ongoing Engagement Ongoing engagement is key to a successful partnership. Littlefish provides structured reviews to ensure your data platform evolves with Microsoft's rapid release cycle.

Service Review

Service Reviews are conducted monthly to evaluate the effectiveness of the service. The board typically comprises the customer's IT stakeholder and the designated Littlefish Service Account Manager (SAM).

Agenda items for the Service Review encompass:

- Performance Evaluation against SLA.
- Fabric Capacity Utilization Report: Review of compute consumption to prevent overage and optimize costs.
- AI Model Performance: Review of accuracy and safety metrics for deployed AI agents (if applicable).
- Review of the Continual Improvement Program.

The Littlefish SAM documents the main topics discussed during the Service Review and any ensuing actions.

Governance Board

In addition to the service reviews, Littlefish and the customer may periodically convene a Governance Board to assess:

- Overall Service Performance.
- Strategic alignment with new Microsoft Fabric/AI features.
- Opportunities to leverage data for new business objectives.

Through a blend of tools, processes and personnel development, Littlefish consistently endeavours to elevate the services delivered to our customers. As part of the monthly Service Review process, Littlefish demonstrates to the customer the steps taken to enhance services and, when applicable, showcases improvements through enhanced service reporting metrics.

About Littlefish

- Littlefish is an award-winning Cloud based Managed IT Services Provider. Through our capability and delivery of service excellence we have become an established and credible alternative to the 'usual suspect' large Multi £Billion Managed Service Providers and IT Outsourcers in the mid-market and enterprise.
- Our purpose is to disrupt the conventional Managed IT Services models – where the usual suspects typically fail to perform – by delivering service solutions that are tailored to the precise needs of your organisation and which are communicated in clear and straightforward language. Our people (and users) first approach delivers a higher quality experience and will add tangible business value to your organisation.

Our service solutions are designed to consider and deliver tangible outputs in terms of improved business performance. The IT experience of your users can be enhanced to promote more agility and improved quality output. Furthermore (but often overlooked), highly available, better performing IT services, with expert support on hand when it's needed to get your users working again, can engender employee health and well-being. Because of these deliverables, workforce productivity levels are increased, and it's likely that our highly attuned service model will also enable you to effect cost-efficiency gains. What's not to like!



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