



Data Lake Architecture & Management Consulting

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1. Insight

Insight leads the delivery of transformative solutions, supported by a powerful ecosystem of over 6,000 global partners including Microsoft, AWS, and Cisco.

As a Fortune 500 company with a long-standing history of delivering trusted services to the UK Public Sector, we combine our own deep expertise in consulting, advisory, and transformation with partner innovation to create holistic solutions across cloud, data, modern workplace, cybersecurity, and application services.

Guided by proven methodologies and ESG principles, we work collaboratively to design and implement tailored strategies that drive measurable business impact while promoting sustainability and governance excellence.

2. Insight for the Public Sector

Your End-to-End Digital Transformation Partner

As a leading Solutions Integrator, Insight combines deep technical expertise with a vast partner ecosystem to help UK government organisations modernise, innovate, and deliver citizen-centric services. We hold places on over 85 public sector frameworks, offering a compliant, efficient route to digital transformation.

We don't just supply IT; we design, deploy, and manage the solutions that secure your data and unlock value.

Core Areas of Expertise

- **Innovation, Data & AI:** we deliver end-to-end data science and custom AI solutions. From modernising data platforms to deploying bespoke machine learning and spatial computing, we help you unlock the value of your data to drive operational efficiency.
- **Modern Infrastructure & Cloud:** Building scalable, hybrid foundations that reduce technical debt and support multi-cloud strategies.
- **Modern Workplace:** Empowering the public sector with secure, flexible tools to work from anywhere, attracting talent and improving productivity.
- **Cybersecurity:** Comprehensive managed security services, threat detection, identity protection, and compliance management to ensure your data remains sovereign and secure.
- **Modern Apps:** Agile application development creating meaningful and impactful tools that link to tangible benefits, improvements and cost savings.

Our Approach: Consulting, Lifecycle, & Managed Services

We deliver value at every stage of your technology journey, ensuring accountability from strategy to support:

- **Consulting (Architecting the Future):** We bridge internal skills gaps with data-driven strategy. From "Discover & Design" to full-scale migration planning, we ensure your investments solve real public sector challenges.
- **Lifecycle (Seamless Execution):** We take the risk out of procurement and deployment. Leveraging global buying power, we handle everything from supply chain management and imaging and implementation to sustainable asset disposal (ITAD).
- **Managed Services (Always-On Support):** Shift from "keeping the lights on" to innovation. We provide 24/7 infrastructure monitoring, cloud cost optimisation (FinOps), and security operations to ensure resilience.

3. Services

Service Name

Data Lake Architecture & Management Consulting

Service Description

Expert consulting for organisations to design, implement, and optimise scalable data lake environments, supporting secure, efficient, and business-focused data management strategies.

Features

- End-to-end data lake architecture design and strategy formulation
- Integration of diverse data sources for unified analytics
- Advanced governance and access control framework implementation
- Performance tuning and optimization of data lake systems
- Data lifecycle management and intelligent tiered storage planning
- Automated data ingestion and metadata cataloging solutions
- Customizable security protocols and compliance alignment
- Cost optimization through scalable cloud or hybrid deployments
- Continuous monitoring and proactive maintenance services
- Comprehensive training and knowledge transfer for client teams

Benefits

- Accelerates enterprise analytics and data-driven decision making
- Improves regulatory compliance and data security posture
- Enables seamless integration of structured and unstructured data
- Reduces operational complexity through automation and best practices
- Enhances scalability to support future business growth
- Optimizes storage costs with intelligent data tiering
- Facilitates rapid onboarding of new data sources
- Strengthens governance for enhanced data trust and quality
- Provides robust documentation for ongoing internal operations
- Empowers teams with expert guidance and upskilling

Constraints

Requires access to client IT stakeholders and selected data sources; cloud provider may limit certain features.

CONTACT US

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