

**BLACKSTONE&**

G-Cloud 15 | Lot 3 – Cloud Support Services

Data Engineering & Analytics Platforms

Service Description

Data engineering and analytics platform services building modern data infrastructure on cloud platforms. We design data lakes, warehouses, and lakehouses, implement ETL/ELT pipelines, deploy analytics tools, and establish data governance—enabling organisations to unlock data value, support AI initiatives, and deliver evidence-based decision making across the enterprise.

Service Overview

The Data Engineering & Analytics Platforms service helps organisations build modern data infrastructure that unlocks the value of their data for analytics, AI, and decision-making.

Data is often cited as an organisation's most valuable asset, yet many struggle to access, trust, and use their data effectively. Legacy data architectures, fragmented systems, and poor data quality create barriers to insight. Modern cloud data platforms address these challenges, but implementing them effectively requires specialised expertise.

Our service provides comprehensive data engineering capability:

Data Architecture: We design modern data architectures including data lakes, warehouses, and lakehouses that balance flexibility with governance. Our designs align with data mesh principles where appropriate.

Data Pipelines: We build robust ETL/ELT pipelines that move data reliably from sources to destinations, transforming it for analytical use. Our pipelines are automated, monitored, and maintainable.

Analytics Platforms: We deploy analytics tools that enable self-service insight generation while maintaining appropriate governance and security.

Data Governance: We establish data governance practices including cataloguing, quality management, and lineage tracking that build trust in data assets.

Service Features

- Data lake architecture: S3, ADLS, GCS with Delta Lake
- Data warehouse: Snowflake, Redshift, BigQuery, Synapse
- ETL/ELT pipelines: dbt, Airflow, Azure Data Factory, Glue
- Real-time streaming: Kafka, Kinesis, Event Hubs, Pub/Sub
- Analytics platforms: Power BI, Tableau, Looker, QuickSight
- Data mesh and domain-oriented data architecture design
- Data governance, cataloguing, and quality frameworks
- DataOps practices and data pipeline automation
- Master data management and data integration patterns
- Data engineering capability transfer and training

Service Benefits

- Unified data enabling enterprise-wide analytics and AI
- Faster insights through modern, scalable data platforms
- Improved data quality through governance and validation
- Reduced data silos through integration and cataloguing
- AI-ready data foundations supporting ML initiatives
- Cost-optimised storage through tiered data management
- Self-service analytics empowering business users
- Regulatory compliance through data lineage tracking
- Sustainable data capability through knowledge transfer
- Evidence-based decisions through accessible, trusted data

Available through G-Cloud 15 Framework | Lot 3 – Cloud Support Services