

Service Description

Data Engineering

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G Cloud 14 Lot 3

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Nortal is delighted to participate in the latest release of the G-Cloud framework. This document provides an overview of the service **Data Engineering**.

We deliver end to end services from cloud strategy and migration to solving specific business challenges through building cloud native digital solutions. These technology-driven services are supplemented by our business and people capabilities allowing for end-to-end change and adoption.

Nortal is a strategic innovation and technology company with an unparalleled track-record of delivering successful transformation projects for over 20 years. As a valued partner for governments, healthcare institutions, leading businesses, and Fortune 500 companies we deliver value by challenging the status quo and succeeding where legacy firms fail.

1. Introduction to the Service

Transform raw data from diverse sources into high-quality, consistent, and actionable insights that drive your business forward.

Our engagements follow a mature software development life cycle with teams well-versed in Agile/Scrum methodologies with activities including requirements gathering, tracking development progress to meet key milestones, and performing quality assurance testing in concert with development activities.

2. Service Description

We help companies and public sector organisations to thrive in the transformative age by reinventing themselves constantly, experimenting with new ideas and scaling successes. Our services include strategy, architecture, governance, service design, innovation management, commercial management and advice pertaining to legal and compliance matters. We help businesses transform and evolve quickly to seize the opportunities and help mitigate the risks that digital transformation creates. To respond to these new challenges, public sector organisations need to:

- See the future and define their purpose
- Orchestrate, accelerate, and unblock a portfolio of initiatives

- Re-think and re-create services like a start-up
- Design, build, test and iterate
- Plan, invest, and scale up at pace
- Embrace transformation as a continuous way of working

Typical outputs of this service include Strategy and Guidance for implementation of :

- Data Warehouses & Lakes: Centralized repositories that store structured and unstructured data, ready for analysis.
- ETL Pipelines: Automated pipelines for Extracting, Transforming, and Loading data.
- Data Quality Reports: Detailed reports highlighting the quality, consistency, and reliability of the processed data.

3. Our Approach

1. **Data Assessment:** Evaluate the current data landscape, identifying sources, volume, variety, and velocity.
2. **Data Integration:** Develop pipelines to collect and integrate data from various parts of the organization.
3. **Data Cleaning & Processing:** Use advanced algorithms to cleanse, process, and structure the data.
4. **Data Storage & Management:** Implement optimal storage solutions, ensuring data consistency, availability, and security.
5. **Continuous Monitoring & Quality Assurance:** Implement data quality frameworks to ensure the consistency and reliability of data outputs.

4. Pricing

This service is priced in accordance with the SFIA rate card provided and can be modelled using a range of commercial approaches e.g. time & materials, fixed price, etc. Nortal is also able to provide near-shore pricing at reduced rates. 'Ordering and Invoicing' and 'Termination' are to be undertaken in accordance with G-Cloud 14 contract terms unless varied by mutual agreement and detailed within a call-off contract.