

G-Cloud 15 Service Description



Data Engineering

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Methods' Data Engineering service provides design & build of new data platforms, including migration from legacy. We assess solution requirements, undertake mapping and gap analysis, validate and collaboratively build a strategy to ensure effective ongoing data management. We provide end-to-end Data Platform services; discovery, design, build, test, go-live following GOV.UK standards.

What is the Service

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What can it do for you

Managing the transition of data, particularly sensitive information is a risky process, which requires a secure, robust approach. Methods has experience of handling sensitive data and facilitating transition between different environments with differing requirements based on data classification and Sensitivity.

Service Features

1. Scalable cloud-based data platform design and build (PoC, Pilot, Live)
2. Legacy transformation and data migration to modern data architectures/platforms
3. Data management solutions (collecting, organising, protecting, auditing and storing data)
4. Extract, Transform and Load (ETL) via modern data pipelines
5. Cognitive (speech, text, visual data) AI services, Machine Learning
6. Infrastructure automation via IaC and CI/CD
7. Storage of unstructured (NoSQL), structured (SQL/relational) and Graph data
8. AWS implementations (Athena, DynamoDB, Redshift, Kinesis, S3, Glue, EMR, QuickSight)
9. Azure implementations (Data Factory, Databricks, SQL, CosmosDB, HDInsight, Synapse, PowerBI)
10. GCP implementations (BigQuery, SQL, Bigtable, Dataflow, Dataproc, Pub/sub, Catalog, Looker)

Service Benefits

1. Fully exploits Cloud services via modern data roadmap development
2. Facilitates a smooth cleanse, transition and integration of legacy data
3. Reduced costs of data quality remediation and integration
4. Wider access and more usable data and enhanced analytics
5. Improved security posture; ISO 27001, Cyber Essentials Plus, NCSC assured
6. Microsoft Gold Partner in Platform, Security, Data and Business Applications
7. Data Science and AI expertise, Data Architecture, Data Engineering
8. Enables modern, scalable database clusters
9. Enables legacy systems to be decommissioned
10. Working with the client team providing skills and knowledge transfer

Contact details

End-to-end transformation and innovation experts

Applying our skills in innovation and collaboration from across the Methods Group, to deliver end-to-end business and technical solutions that are people-centred, safe, and designed for the future.

Methods provide collaborative and innovative solutions to help Central Government adapt to the changing landscape and deliver better outcomes for citizens.

With a focus on driving interoperability and innovation in UK Central Government, we have helped multiple organisations in the sector modernise their IT architecture, systems, strategy, and operating models to improve organisational resilience and service delivery.

Methods deliver wide-ranging services and thought leadership to support delivery including:



Onboarding and offboarding process



Ordering and Invoicing

Once we have agreed a Statement of Work(s) we will sign the appropriate agreement and complete a Call Off contract with an attached Statement of Work(s), and submission of a Purchase Order. We will then set up a mutually acceptable start date and commence work.

Payment terms are 30 days or less as may be agreed.

Please note - we are unable to accept Government Procurement Card (GPC) payments.



Customer Responsibilities

For any given requirement, we will identify any dependencies on the customer (e.g. access to key stakeholders, facilities, documentation, etc.) and agree these at the start of the work.

Making a difference

The work we do each day is focused on delivering a positive difference for the public sector for the benefit of society as a whole.



Customer stories



Cloud Hosting & Service Modernisation
Modernised digital services using secure cloud hosting, streamlined legacy workflows, and improved data insights. Delivered faster decisions, reduced manual effort, and a more transparent, **user-friendly experience** for internal teams and external users.



Cloud-Based ITSM Consolidation
Unified multiple service desks onto a cloud-based ITSM platform, standardising processes and automating workflows. Improved incident, change, and problem management, **boosting overall service reliability, efficiency, and organisational visibility.**



Large-Scale Cloud Migration (100+ Apps / 120TB)
Delivered cloud migration of **100+ legacy applications** and **120TB of data** with **100% availability.** Strengthened compliance, improved transparency, and significantly enhanced operational resilience across critical digital services.



Azure Migration & Modern Workplace Enablement
Migrated data centres to Azure and deployed modern workplace cloud services, delivering secure, scalable infrastructure. Achieved improved user experience, strengthened security posture, and **£1m savings** - all with zero service disruption.



Cloud ITSM Migration (ServiceNow SaaS)
Successfully migrated from a legacy ITSM tool to a modern, cloud-based ServiceNow platform. Delivered scalable, robust service operations, strengthened governance, and enabled faster, more consistent digital service delivery across the organisation.



Cloud-Native Data Pipelines (Azure Integration)
Built automated Azure Data Factory pipelines into a Lakehouse architecture, using Bronze/Silver/Gold layers and Delta with CI/CD. Delivered secure daily refreshes, improved data quality, lower manual effort, and more efficient reporting.