

**SOLVE
SOMETHING
IMPORTANT**

Data Architect and Design

Service Definition Document

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Data Architect and Design

1 WHAT THE SERVICE IS

Leidos offers a comprehensive Data Architecture and Design service that supports business strategies, key data centric programmes and opportunities aligned to data strategy, core technologies competences, management and governance goals. We focus on modern technologies and any integration with legacy sources across a range of industries, including critical national infrastructure.

FEATURES

- Design, and implementation of scalable data architectures (Cloud and Hybrid);
- Data experts in SaaS, IaaS, PaaS cloud architecture/technologies;
- Advanced Data and Database modelling (Sql and NoSql);
- Data experts in requirement gathering and customer workshops;
- Big data, data warehousing and data lake design and management expertise;
- Performing data maturity assessment for our customers;
- Optimisation services for Databases, Data Warehousing/Data Lakes, Data Pipelines;
- Accurate assessment/recommendations of data standards, data quality, and security;
- Consultancy in Data strategy and governance, and implementation roadmaps;
- Landscape analysis (Data Discovery) to identify opportunities and reusability;
- Metadata management and master data management (MDM) for consistency and reliability across systems;
- Integration of heterogeneous data sources for unified and seamless data ecosystems;
- Data lineage and cataloguing solutions to improve transparency and traceability;
- Performance tuning and scalability design for high-volume, mission-critical systems;
- Cloud migration and hybrid architecture enablement for modernising legacy environments.

BENEFITS

- Helping customers gain a clearer understanding of their data assets and ecosystems;
- Providing end-to-end guidance for data management (from capture to consumption);
- Delivering an optimum structure for developing and implementing data governance frameworks;
- Customised data architecture to reduce costs and improve efficiency;
- Enabling integration of customer and third-party data sources for unified insights;
- Enhancing security, compliance, and maintenance of valuable data assets;
- Driving better use of data to support operations and strategic decision-making;
- Achieving operational efficiency improvements through modern data frameworks and architectures;
- Improving data quality and reliability using industry best practices;
- Cloud/hybrid technologies expertise enables tailoring solutions to customer requirements

OVERVIEW

Leidos offers a comprehensive Data Architecture and Design service that supports our customers' business strategies, key data centric programmes and opportunities aligned to their data strategy, core technologies competences, management and governance goals. We focus on the use of modern technologies and any integration, with legacy sources and solutions across a wide range of industries, leaning towards government organisations and national security agencies.

Within our service offerings, we produce solution designs as part of the wider or dedicated digital transformation solution. Leidos Data Architects work with delivery teams to design and implement modern, scalable data products using a range of new and emerging technologies, leading on all data solution aspects, including setting data standards and providing our customers with deep technical expertise.

Our experts use industry-standard data modelling principles to produce effective data solutions aligned to business needs. They collaborate with customers on all aspects of data management, including the assurance and integration of data services to meet the needs of multiple lines of business. They recognise and exploit business opportunities by leveraging data architecture and design best practice, and communicate effectively across organisational, technical and political boundaries, understanding the context, and producing relevant and high quality artifacts and technical documentation.

Our Data Architecture and Design service is tailored to customer infrastructure strategies, whether that be On-Cloud or Hybrid, and can be delivered as part of a wider Leidos Solution offering or via consultancy.

The solutions offered by Leidos include:

- Landscape Analysis (Data Discovery) Services;
- Requirements Gathering Services;
- Data Analysis and Design Services;
- Database Design and Optimisation Services;
- Data Warehousing and Data Lake Design Services;
- Data Maturity Assessment Services;
- Data Quality, Strategy, Governance and Security Services;
- Edge Data Architecture (Analytics) Services;
- Single and Multi-cloud Data Architecture (Analytics) Services;
- Hybrid Data Architecture (Analytics) Services;
- Federated Data Architecture (Analytics) Services;
- Trusted & Secure GenAI & NLP Platforms Services;
- Trusted Data Management & AI Governance (Ethical AI) Services;
- Data Architectures for Analytics and AI Services;
- Data Mesh and Data Fabric Architectures Services;
- Integrated Data & MLOps Pipeline Tools.

We are technology partners and experts in delivering programmes with established Cloud-Technology providers, such as AWS, Microsoft Azure, Google Cloud, and other technology leaders in the data area, utilising COTS products and open-source technologies. Our offerings are tailored to customers' requirements and needs to provide maximum benefit to our customers with scalable, fit-to-purpose and cost efficient solutions.

2 ANY ONBOARDING AND OFFBOARDING SUPPORT YOU PROVIDE

Where relevant, Leidos will adopt a consultative approach with customers to define and validate their requirements in order to determine how best to engage with the services. The onboarding and offboarding process is dependent on the specific requirements of the solution, and the delivery methodology agreed upon.

3 PRICING

Please refer to the associated Pricing Document relevant for this Service.

4 TERMS AND CONDITIONS

Please refer to the associated Terms and Conditions Document relevant for our Service Offerings.

5 FURTHER INFORMATION

Please send your requirement to publicsector@uk.leidos.com. Alternatively, if you wish to discuss your requirements in more detail, please send us the following information and we will be happy to contact you:

1. Your organisation name.
2. The name of this service.
3. Your name and contact details.
4. A brief description of your business situation.
5. Your preferred timescales for starting the work.

ABOUT LEIDOS

Leidos is a leading partner to the UK government and the Scottish government as well as having key client partners in transportation and energy. Leidos employs 1300 people across the UK supporting technology and business process transformation programmes for clients such as the Home Office, the Ministry of Defence, the Metropolitan Police Service and NATS.

The success of this work in the UK and beyond shows that we are a trusted partner in the region and that our people can deliver innovative solutions to solve the most challenging problems.

LEVERAGING OUR CORE CAPABILITIES

Our technical core capabilities define the areas in which technical excellence is critical, not only for our business, but in the work we do daily to help customers achieve the important missions on the frontlines of their industry. Explore our core capabilities [here](#).



Digital Modernisation



Cyber Operations



Mission Software Systems



Integrated Systems



Mission Operations



INCLUSION AND DIVERSITY IN LEIDOS UNITED KINGDOM

Leidos is committed to creating a diverse and inclusive workplace, where every colleague has the opportunity to contribute, share their unique ideas and talents, and be supported in their career. Explore Inclusion and Diversity in the UK [here](#).

SOCIAL VALUE

We're committed to supporting sustainability initiatives, tackling workforce inequality and STEM education by enriching the communities to our operations. Learn more about Social Value in the UK [here](#).