DLH

Your Reliable Partner in

Big Data & AI/ML

We specialize in Cloud-based, Cloud agnostic Data Services exposed to our customers as a Repository as a Service (RaaS). Our solution provides a Data Warehouse built from ingested source data and stored into the repository's database. The data is accessible, just like items in a warehouse, and can be stored, extracted, and inventoried. Similarly, a Data Lake is provided for the 'raw' data files that are processed for ingestion and saved intact for a variety of reasons (such as distribution, domain transfer, other ingestion processes, and forensics). Artificial Intelligence (AI) and Machine Learning (ML) are applied to our Extract Transform Load (ETL) processes to ensure accurate data tagging based on our Logical Data Model (LDM).

Performance Areas

- DevSecOps
- Continuous Security Integration
- Continuous Integration/ Continuous Delivery (CI/CD)
- Infrastructure as Code
- Service Mesh
- Containerization/Container Management
- Release Orchestration
- Enterprise Operations (EOps)
- Security as Code
- Microservice Architectures
- Zero Trust Architecture

Your Mission is Our Passion

Serving National Security & Intelligence, Civilian, and Private Sectors

DLH drives state-of-the-art innovations and solutions across the Civilian, National Security, and Intel communities, as well as the commercial industry. Our professional technical and engineering services deliver next-generation systems engineering, cybersecurity, technology insertion, and best practices-based Enterprise Operations (EOps) management.

Our worldwide top-talent brings proven agility and innovation while maintaining compliance and governance. DLH stabilizes, optimizes, and transforms our clients' environments, realizing their must-have objectives of resilient, reliable, and forward-leaning technical efficiencies.

Contract Vehicles
dlhcorp.com/contract-vehicles

Visit Link or Scan QR Code for
Contract Details

CMMIDEV/3 SM
CMMIDEV2.0 | Exp. 2024-04-09 | Appraisal #54517

ISO 9001:2015 — CERTIFIED
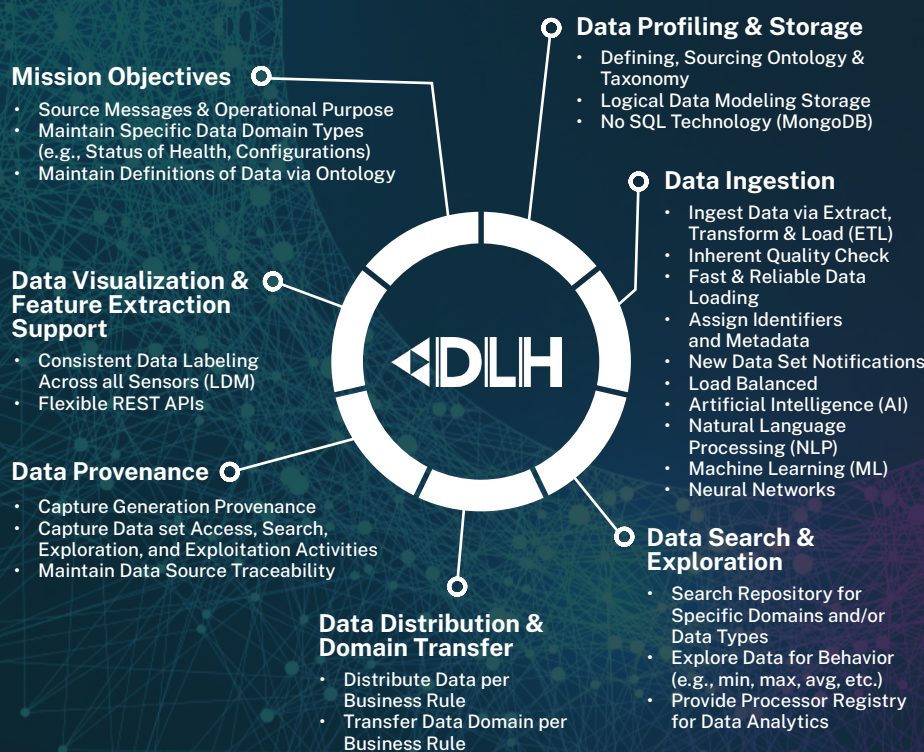
ISO 20000-1:2018 — CERTIFIED

ISO 27001:2013 — CERTIFIED

United States Department of Defense
Defense Intelligence Agency (DIA)

DLH provides data services through a Repository as a Service (RaaS) with data warehouse and data lake capabilities processing 6 Terabytes (TB) of multi-source data per day. A Data Warehouse is provided from ingested source data and stored into the repository's database. The data is accessible, just like items in a warehouse, and can be stored, extracted, and inventoried. Ingested data values are unchanged and are usable for analytics as stored in the RaaS. Similarly, a Data Lake is provided for the 'raw' data files that are processed for ingestion and saved intact for a variety of reasons (such as distribution, domain transfer, other ingestion processes, and forensics).

Data Warehouse & Data Lake Repository as a Service RaaS Capability

Mission Objectives
- Source Messages & Operational Purpose
- Maintain Specific Data Domain Types (e.g., Status of Health, Configurations)
- Maintain Definitions of Data via Ontology

Data Profiling & Storage
- Defining, Sourcing Ontology & Taxonomy
- Logical Data Modeling Storage
- No SQL Technology (MongoDB)

Data Ingestion
- Ingest Data via Extract, Transform & Load (ETL)
- Inherent Quality Check
- Fast & Reliable Data Loading
- Assign Identifiers and Metadata
- New Data Set Notifications
- Load Balanced
- Artificial Intelligence (AI)
- Natural Language Processing (NLP)
- Machine Learning (ML)
- Neural Networks

Data Visualization & Feature Extraction Support
- Consistent Data Labeling Across all Sensors (LDM)
- Flexible REST APIs

Data Provenance
- Capture Generation Provenance
- Capture Data set Access, Search, Exploration, and Exploitation Activities
- Maintain Data Source Traceability

Data Distribution & Domain Transfer
- Distribute Data per Business Rule
- Transfer Data Domain per Business Rule

Data Search & Exploration
- Search Repository for Specific Domains and/or Data Types
- Explore Data for Behavior (e.g., min, max, avg, etc.)
- Provide Processor Registry for Data Analytics

DLH Areas of Expertise

DLH leverages best-of-breed technology and industry best practices to enable our clients to optimize to the forefront of modernization and transformation. We deliver best-fit solutions for today, evolution pathways for the future, and unprecedented resilience in all things – technology, processes, and culture.

Cloud Enablement
DLH drives Cloud Smart adoption and enablement strategies that deliver practical optimization with compliance and security–fully leveraged for your mission, today and tomorrow.

Digital Transformation
Our experts facilitate rapid software delivery through modern scaled Agile frameworks and practices.

Big Data & AI/ML
Our data scientists and analysts help clients gain insights into their big data through data engineering, semantic modeling, predictive analytics, AI/ML, neural networks, deep learning, and data visualization.

DevSecOps
We don't just say we do DevSecOps, we help clients bring Dev and Ops together by implementing cultural change, integrating and left-shifting security, and operationalizing Continuous Integration and Continuous Delivery (CI/CD) pipelines.

Performance Based Logistics
We deliver full cradle-to-grave supply chain management, lifecycle management, and logistics support for IT systems as well as scientific and medical devices.

Cybersecurity Ecosystem
Our cyber solutions enable clients to confidently deploy secure platforms and technologies and protect their most critical data assets. Our Cyber Practice covers the entire security ecosystem – from crypto to policy.

Enterprise-Edge IT Management
We help clients realize greater efficiencies through IT infrastructure support (XaaS, SaaS, IaaS), comprehensive IT managed service delivery and technology automation.

Consulting
We provide the expertise to transform your enterprise environment by optimizing people, processes, and technology while affecting positive, mission-based organizational change.