

Bridging Data's Multiverse

Enter a New Era of Unified Data Management with Data Dynamics

In a digital landscape set to explode with 175 zettabytes of global data by 2025, a significant paradigm shift is underway, with AI leading the way. IDC predicts that 40% of this data will be AI-generated, growing at a 50% annual rate. Amidst this data deluge come challenges, from cyber threats and compliance to costs and reputation. Enterprises stand at a crucial crossroads, recognizing that data is more than storage; it's a strategic asset for a secure, compliant, and innovative future.

Enter Unified Data Management (UDM), a concept whose importance has never been more evident. Positioned at the core of data operations, it serves as the compass guiding enterprises toward a future where data isn't just a commodity but a dynamic force propelling progress and success.

Data Dynamics' Expertise in Data Management

Data Dynamics is your trusted partner in unified data management. With over a decade of industry expertise, Data Dynamics has been at the forefront of harnessing and rationalizing data to address pressing needs for its clients, including 28 Fortune 100 companies. At the heart of our solution lies the award-winning Unified Data Management Software, powered by cutting-edge AI/ML technologies. Featuring four key modules—Data Analytics, Mobility, Security, and Compliance—this software not only reveals intricate insights into unstructured data but also elevates data security, ensures compliance, optimizes storage and propels cloud data management.

Say goodbye to isolated data perspectives and disparate point solutions. Embrace a single, unified software to unlock insights, empower data owners, reduce risk exposure, enhance the bottom line, and usher in a new era where data evolves into an invaluable asset for organizations.

Our UDM Solutions Are Designed to:



Simplify data management across heterogeneous environments.



Improve data visibility and control.



Mitigate risk with robust data security and compliance.



Optimize storage infrastructure for performance and cost efficiency



Empower organizations to harness the full potential of their data

CAPABILITY OVERVIEW

Utilizing a proprietary 5S approach (Streamlined, Secured, Stringent, Structured and Smart), Data Dynamics provides a structured and refined view of the data, transforming it from mere storage to valuable business assets.

Streamlined
data visibility and optimization



Stringent
adherence to compliance



Smart
data-driven migration



Steadfast
data security & protection



Structured
data archival



Streamlined Data visibility & Optimization

- **Metadata Analytics:** Metadata discovery, classification, tagging and cataloging for data lifecycle management and usage pattern analysis. Supports data relevance assessment, data retention and disposal policies, reducing data sprawl, consolidating data lakes and optimizing storage.
- **Context Analytics:** Utilize machine learning for contextual analysis of unstructured data, considering content, structure, and data relationships. Get deeper insights into data context, enhancing decision-making and user experiences.

Steadfast Data Security & Remediation

- **Content Analytics:** Content Analytics powered by a Data Science Engine, AI/ML, and NLP for accurate discovery and classification of data according to its sensitivity, consumer information, business value, and other criteria.
- **Risk Exposure Insights:** Generate actionable insights using multi-level logical expressions and operators, providing a comprehensive understanding of risk exposure through descriptive and diagnostic analytics.
- **Risk Remediation:** Quarantine high-risk sensitive data in secure storage, such as file shares on storage resources or object storage buckets, enhancing data security.
- **Access Control and file re - permissioning:** Implement policy-based and robust file permissions management, including functions like preserving, re - permissioning, and security reassignments via SID Mapping.
- **Open Share Reporting:** Enhance security by identifying sensitive data within open shares and rectifying permissions accordingly.
- **Secure Data Sharing:** Enable secure data sharing in data lakes and pipelines with appropriate access controls to maintain data confidentiality and privacy compliance.

Stringent Adherence to Compliance

- **Data Mapping:** Perform scans to identify files containing personal data, creating an inventory of processed, collected, stored, and shared data.
- **Classification:** Employ industry-standard compliance and governance templates to classify data based on regulatory guidelines, ensuring adherence to standards.
- **Immutable Audit Log:** Leverages blockchain technology to create immutable audit logs for data access activities, ensuring reliable governance reports for compliance.
- **Data Tagging:** Establish file and folder tagging along with security protocols to ensure the protection of personal data.

Structured Data Archival

- **Custom Metadata Tags and Archive Policies:** Identify files suitable for cost-effective object storage migration and streamline data movement with flexible archive policies.
- **File Preservation:** Safeguard original content by converting archived files into object format, preserving data integrity.
- **Efficient Data Retrieval:** Retrieve data with ease, whether through the software or RESTful API, from object resources, ensuring quick access when needed.
- **Search and Discovery:** Simplify audit and legal discovery with search and file-saving features, improving efficiency and compliance.
- **S3-Compliant Access:** Access object files conveniently using S3-compliant browsers or custom applications via REST APIs, ensuring compatibility and ease of use.

Smart Data-Driven Migration

- **Policy-Based Data Migration:** Policy-driven automated data movement, including migration, replication, transform & sync, and archiving across various platforms, both on-premises and in the cloud - Azure, OneDrive, GCP, AWS, etc (File to File, File to Object, Object to Object).
- **Intelligent Tiering and Placement:** Dynamically allocate resources and data storage to optimize performance based on usage patterns and requirements.
- **Scalability and Performance:** Manage a high volume of policies and data files, serving data science, cloud, and governance teams for secure and reliable data management.
- **Post Migration Testing, Optimization, and Data Retention:** Post-migration analysis, audit log examination, defining retention and deletion criteria, and establishment of data lifecycle policies.

SUCCESS STORIES

- A Fortune 20 financial services institution successfully migrated, managed, and consolidated 40 PB of data.
[Read the Case Study →](#)
- A Fortune 400 investment banking services company implemented smart data storage lifecycle management that led to a 78.7% reduction in Total Cost of Ownership (TCO).
[Read the Case Study →](#)
- A Fortune 50 U.S. Bank optimizes 80B files of data sprawl with Data Dynamics intelligent data management to protect customer privacy and reduce the risk of data exposure.
[Read the Case Study →](#)
- A Fortune 50 Bank Discovers and Remediate 21k Files with Sensitive Data from 3M Files Scanned for Efficient Risk Management and Compliance with Data Dynamics.
[Read the Case Study →](#)