

Navigating the Digital Skies with Ease

Transform Your Business with Data Dynamics' Data-Driven Cloud Adoption Solutions

The Hybrid Cloud, a fusion of on-premises infrastructure and public/private cloud services, offers a transformative solution for organizations seeking cost-effectiveness, agility, and data accessibility. However, the successful management of Hybrid Cloud environments presents a unique challenge, chiefly centered around Unstructured Data Management. Enterprises often need more visibility into their contents and be aware of sensitive information hidden within them. When migrating to the cloud, many opt for the traditional lift-and-shift approach, missing out on critical data analysis. This results in increased costs, extended timelines, and heightened security risks. The key to a successful Hybrid Cloud strategy is embracing a data-driven approach.

Data Dynamics' **Unified Data Management Software** is a one-stop solution designed to help enterprises gain valuable insights into their data, establishing a data-driven cloud adoption strategy that thrives on informed decision-making – it's intelligent, secure, compliant, and optimized.

Data Dynamics' Expertise in Data-Drive Cloud Adoption

Data Dynamics plays a pivotal role in driving organizations towards a data-driven approach in cloud adoption. With over a decade of industry expertise, Data Dynamics has been a leader in harnessing and optimizing data to meet the evolving needs of hybrid cloud adoption for its clients, including 28 Fortune 100 companies. At the core of our solution is the award-winning Unified Data Management Software powered by cutting-edge AI/ML technologies. Our software, built on four key modules—Data Analytics, Mobility, Security, and Compliance—enables advanced data categorization, access

control, archival, integrated risk management, and policy-based automated migration, ensuring secure and compliant data utilization and optimization across various object platforms.

The outcome is a break-free from the constraints of isolated data management solutions, marking the transition to a unified software approach for data-driven cloud adoption. Our solution effectively organizes unstructured data, unlocks valuable insights, enhances security measures, ensures compliance, and facilitates seamless data-driven cloud adoption.

Our Data-Driven Cloud Adoption Solutions Are Designed To:



Facilitate seamless cloud migration.



Optimize data placement and management.



Ensure data security, privacy, and compliance.



Enhance agility, scalability, and cost-efficiency.



Empower organizations to make the most of their cloud investments.

CAPABILITY OVERVIEW

With our exclusive six-tier approach, Data Dynamics empowers enterprise customers to become Data Custodians of the future by structuring unstructured data and maximizing value through data-driven cloud adoption.



Data Analysis

- **Metadata Analytics:** Metadata discovery, classification, tagging, and cataloging for data lifecycle management and usage pattern analysis. Supports data relevance assessment, retention, and disposal policies, reduces data sprawl, consolidates data lakes, and optimizes 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.

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 and risk exposure identification 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, diagnostic analytics.

- **Access Control and file re-permissioning:** Implement policy-based and robust file permissions management, including 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.

Data Compliance & Governance

- **Data Mapping:** Perform scans to identify personal data files, 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 the generation of reliable governance reports for compliance.
- **Data Tagging:** Establish file and folder tagging and security protocols to protect personal data.

Data Archival

- **File Preservation:** Safeguard original content by effortlessly converting archived files into object format, preserving data integrity.
- **Efficient Data Retrieval:** Retrieve data easily, whether through the software or RESTful API, from object resources, ensuring quick access when needed.
- **Search and Discovery:** Simplify audit and legal discovery with user-friendly 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.

Workload Placement

- **Data Identification, Classification, and Location Mapping:** Accurate data identification, classification, and mapping of physical and virtual data locations. Manage transaction files and their location and ultimate destination.
- **Custom Metadata Tags and Archive Policies:** Identify files suitable for cost-effective object storage migration and streamline data movement with flexible archive policies.
- **Intelligent Tiering and Placement:** Dynamically allocate resources and data storage to optimize performance based on usage patterns and requirements.

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).
- **Integrated Risk Controls:** Safeguard sensitive data and ensure regulatory compliance by seamlessly integrating risk controls across file and object platforms.
- **Intelligent Tiering and Placement:** Dynamically allocate resources and data storage to optimize performance based on usage patterns and requirements.
- **Secure Data Sharing:** Enable secure data sharing in data lakes and pipelines with appropriate access controls to maintain data confidentiality and privacy compliance.
- **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.
- **Dedicated Migration Factory:** Allow users to design, build, deploy, report, and audit data migrations with their dedicated engineering team for a seamless data migration process.
- **Post Migration Testing, Optimization, and Data Retention:** Post-migration analysis, audit log examination, defining retention and deletion criteria, and establishing data lifecycle policies.



- A Fortune 20 energy company achieved a 35% reduction in operational emissions through intelligent cloud adoption.
[Read the Case Study →](#)
- A Fortune 100 multinational beverage corporation analyzes and migrates data to the Cloud, saving significantly on storage costs during data center closure.
[Read the Case Study →](#)
- A Fortune 50 energy company migrates 600 TBs of data in 20 days and saves millions of dollars in data center closure.
[Read the Case Study →](#)
- A leading enterprise specializing in digital payment solutions and services performed data migration from non-trusted storage to Azure cloud storage.
[Read the Case Study →](#)

Data Dynamics is committed to helping organizations unlock the power of Unified Data Management. We provide the technology, expertise, and support needed to navigate the complexities of modern data environments and drive business success.

Contact us to learn more about how we can transform your data management strategy and empower your organization to thrive in the digital age.

For more information, call us at **(713)-491-4298** or visit the website at www.datadynamicsinc.com