

Mediaflux®

Research Data Management Platform

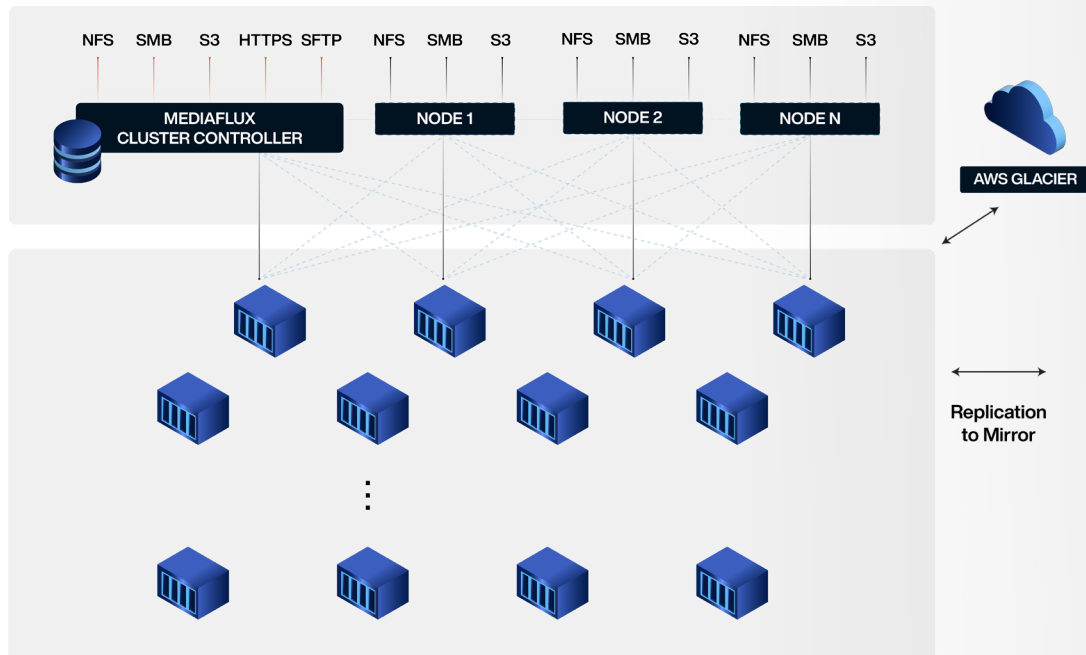
Mediaflux is a comprehensive data management platform that can operate at a tremendous scale to help organizations better manage their data throughout its entire lifecycle.

Features

- Single global namespace view of all data, no matter where stored
- Tremendous scale (100s of billions of files and objects)
- Multi-protocol support and transformation enables data to be accessed by any application
- Intelligent data placement and movement (tiering and migration) so data is in the right place on the right technology at the right cost (forever)
- Replication for Disaster Recovery (DR)
- Extensive metadata harvesting, annotation, and cataloging
- Global, distributed access
- High-speed WAN file transfer
- Multi-factor authentication access control, approval workflows, and administrative actions
- File and file system versioning ensures provenance and easy data recovery
- Easy administration
- All-inclusive capability pricing not licensed by capacity

A Single View of All Data Regardless of Where Its Stored

Mediaflux provides a single view of all data, regardless of its storage system, or location. It can access and manage a wide range of storage systems, including NAS, object storage, parallel file systems, cloud storage, and more.



GLOBAL NAMESPACE ACROSS MULTIPLE STORAGE SYSTEMS

Multi-Protocol Support

Mediaflux supports a wide range of storage protocols, including NFS, SMB, and S3. Mediaflux can translate between protocols, ingesting via one protocol and accessing by any other – enabling organizations to seamlessly integrate new storage technologies into their existing infrastructure, improving data accessibility and sharing, and reducing dependence on a single storage vendor or technology.

Intelligent Data Placement (Tiering and Migration)

By automatically moving data between different storage tiers based on its usage and access patterns, organizations can ensure that data is stored in the most appropriate storage technology for its specific requirements, whether that be high-performance flash storage or cost-effective object storage. This approach helps to reduce costs by minimizing the amount of data stored on high-cost storage technologies, while still ensuring that data is easily accessible when needed.



Replication for Disaster Recovery

Included with Mediaflux is the ability to replicate data to a DR site to failover applications, reducing the risk of data loss and downtime in the event of an outage.

Extensive Metadata Mastery

Mediaflux's extensive metadata harvesting, annotation, and cataloging capabilities improve data discovery, enhance collaboration and knowledge sharing, and enable more efficient data management and governance.

Mediaflux's ability to capture and store detailed metadata about data objects facilitates faster and more accurate search and retrieval of data. This ensures that data is easily accessible to users across the organization, enabling them to quickly find and use data for their specific needs. Additionally, extensive metadata harvesting and cataloging can help to enhance collaboration and knowledge sharing by enabling users to share and access data more easily, regardless of where it is stored.

Mediaflux metadata can identify data origin, ownership, usage, and compliance requirements. This helps organizations to better understand their data assets, enabling them to make more informed decisions about how to manage and use their data and ensure that data is properly classified, tagged, and labeled, helping to improve compliance with data privacy and security regulations.

Global Distributed Access to Data

Mediaflux provides globally distributed access to data through its federated architecture, which allows data to be locally accessed from multiple locations and systems across a global network. This enables users to access data from any location, facilitating collaboration and knowledge sharing across different locations and systems, and improving data availability and resilience.

High-Speed WAN File Transfer

Mediaflux provides a new ultra-fast (typically over 95% of line rate) file transfer capability that accelerates high-speed data transfer across global networks. It uses standard TCP (an industry breakthrough), which can more reliably transmit multiple terabytes of encrypted data in minutes across the globe – and does so at unlimited transfer pricing, another industry breakthrough.

Multi Factor Authentication Access Control

Mediaflux allows administrators to define roles with specific permissions and assign them to users or groups. This simplifies access control management and makes it easier to ensure that users only have access to the resources they need. Multi-factor authentication provides an additional layer of security that requires users to provide two or more forms of authentication for access.

File and File System Versioning

Mediaflux automatically saves previous versions of a file every time it is modified. This ensures that older versions of a file can be easily restored if needed. If a file becomes corrupted or lost, Mediaflux's versioned file system makes it easy to recover the file. Since multiple versions of the file are saved, there is always a backup available. Mediaflux delivers a full audit trail with a detailed history of changes made to a file, including who made the changes and when. This can be useful for tracking changes and ensuring compliance with regulations. Mediaflux includes powerful search capabilities that allow users to easily search across all versions of a file, making it easy to find and retrieve the specific version of a file they need.

Easy Administration

A centralized management interface allows administrators to manage and monitor all aspects of the system. This makes it easy to keep track of all data and storage resources and to quickly identify and address any issues. Automated workflows streamline common tasks such as data migration, and data archiving. Mediaflux establishes and enforces data governance policies, including data retention, security, and access control, which reduce the risk of data breaches.

All Inclusive, Non-Capacity Based Pricing

Mediaflux offers a comprehensive licensing model that encompasses all features and capabilities without any added costs. Moreover, we do not impose any fees based on capacity (\$/GB) on our products. Our approach has garnered positive feedback from our customers and partners, who appreciate the unlimited usage that our licensing model encourages.

