

Arcitecta Mediaflux® x IBM Storage

Unlimited Data Management Workflows with Mediaflux

Solution Overview

The volume of data creation continues to grow at an accelerated pace. Data created and curated is expected to grow to over 200 zetta-bytes (ZB) in the next five years. Gartner estimates that roughly 80% of data that is produced is unstructured data. Collecting and storing data is no longer the primary challenge, understanding the data and determining its optimal placement are now the biggest hurdles. While 61% of companies aim to optimize their data usage, fewer than half feel they are making meaningful progress. This results in more data being retained on high-cost storage tiers, which impacts both the performance and cost of storage.

Arcitecta's Mediaflux is a powerful data management platform that enables a single worldview of all your stored data. Mediaflux will change the way you curate, manage, protect, exploit, and disseminate any type of data. Based around world-class hyperscale database technology, Mediaflux is an open platform with tight security and access controls driven through a simple API. By combining data management, metadata curation, and your business rules into a single distributed solution, Mediaflux seamlessly integrates your business systems and compute infrastructure with your data holdings. Data is not restricted to a single type of attached storage hardware. It supports storage diversity from high-performance flash core modules down to low-cost deep archive storage.

Solution Benefits

Enhanced Data Placement

Mediaflux enables end-to-end lifecycle management, from acquisition and cataloguing to transformation, dissemination, and long-term storage. This integrated approach ensures data is not only stored but also remains accessible, actionable, and valuable.

Improved Data Insights

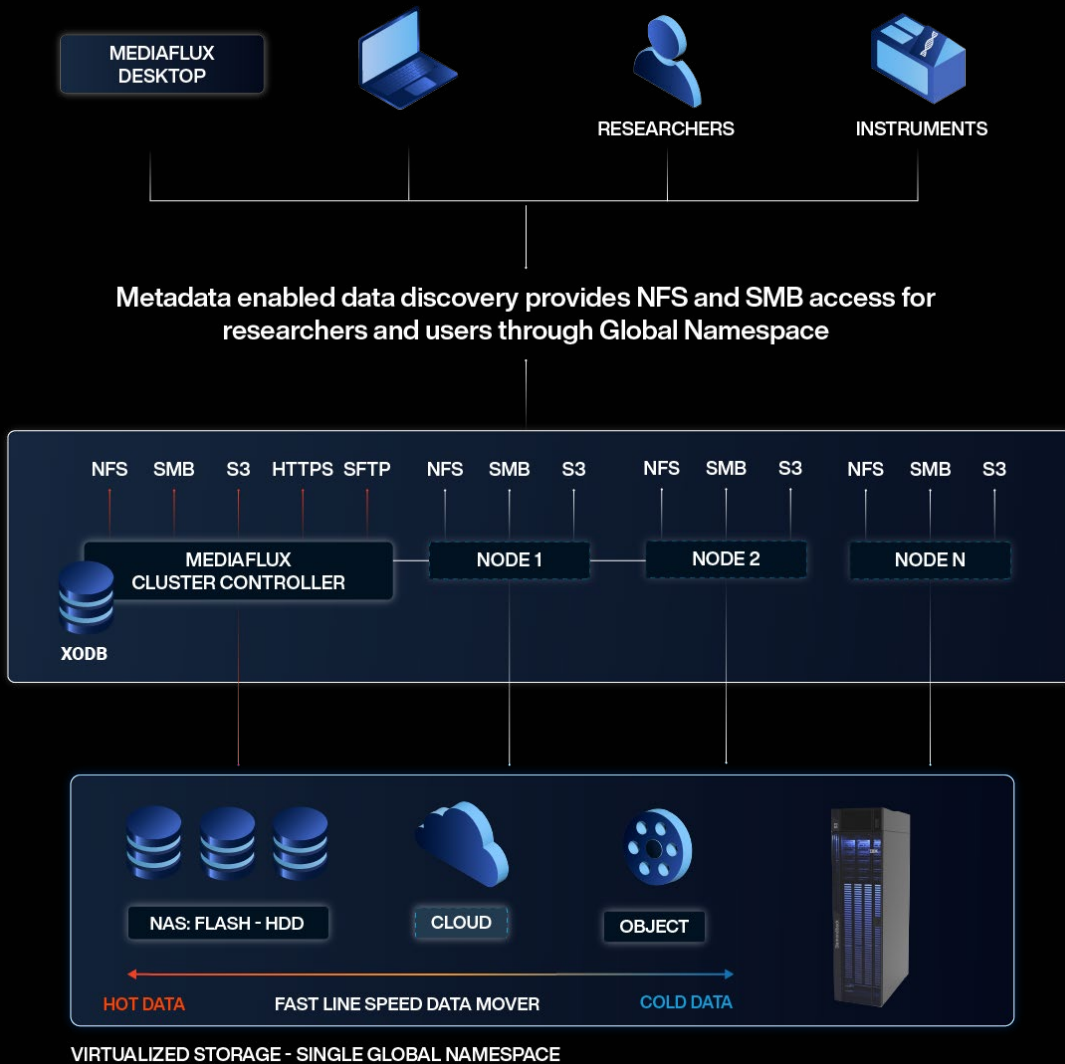
The integration of Mediaflux software with IBM Tape Libraries provides unprecedented control and automation to tape management, enhanced by IBM's dynamic storage management capabilities. Together, Mediaflux and IBM deliver an integrated ecosystem that enhances control, visibility, and automation across your entire data environment.

Scalability and Flexibility

Both IBM Tape Libraries and Arcitecta solutions offer modular architectures that scale vertically and horizontally. This allows businesses to economically scale storage as needed. Policy-driven management can dynamically allocate resources based on changing data usage and business requirements, ensuring flexible growth and long-term adaptability to evolving workloads.

Robust Data Protection

Our joint solution prioritizes security and data integrity. IBM tape libraries provide tape technology with drive-level encryption, ensuring data is securely written and stored. Combined with Arcitecta's granular access controls and real-time monitoring features, organizations can safeguard their critical information against both internal and external threats.



Use Cases

- AI/ML source data
- Research
- Life Sciences
- HPC
- Diagnostics
- Media & Entertainment
- Finance
- Data protection
- ADAS

About Arcitecta

Arcitecta has been crafting highly advanced platforms since 1998. Today, Arcitecta is transforming data management and backup with Mediaflux, a rich end-to-end data fabric that simplifies data-intensive workflows in petabyte-scale environments to improve business and research outcomes. Mediaflux unifies data management processes into a single platform, simplifying the administration of big data and allowing world leaders to solve some of the most challenging problems on the planet.

About IBM

International Business Machines Corporation is an American multinational information technology company headquartered in Armonk, New York, with operations in over 170 countries. IBM offers a full range of tape storage products including drives, autoloaders, libraries, virtual tape systems, IBM Storage Archive software, IBM Storage Deep Archive object storage and Hybrid solutions.

