

Arcitecta Mediaflux® and Wasabi Hot Cloud Storage for Higher Education and Research Institutions

Scalable data management that seamlessly tiers data to cloud storage without losing visibility and accessibility.

The world of data has drastically changed. Data is being generated at an unprecedented rate, making storage expensive. To manage this, research institutes need to tier data to scalable storage solutions like Wasabi Hot Cloud Storage. However, basic file system metadata is no longer sufficient for making decisions or automating processes. Advanced metadata is required to ensure that tiered data remains searchable and accessible.

Universities and research institutes must develop a strategy to incorporate any storage without compromising data visibility or usability. Mediaflux by Arcitecta can do exactly this and allow organisations to invest in high-performance production storage for critical data and moving less frequently accessed data to Wasabi cloud object storage, allowing organisation to optimise their budgets.

Balancing storage costs with data security, and ensuring collaboration is crucial, especially as data becomes central to daily operations. Object storage offers a scalable, flexible, and cost-effective solution. While the cloud provides many advantages, a hybrid strategy that combines cloud with on-premises solutions, allows institutions to benefit from the predictable costs of Wasabi cloud and performance of on-premises production storage. By integrating cloud storage with Mediaflux Gateway, organisations can optimise costs, enhance security, and maintain control over their IT infrastructure.

Managing data and metadata across different storage solutions can be complex. Mediaflux Gateway simplifies this by enabling independent backup and management of both data and metadata, improving control and operational efficiency.

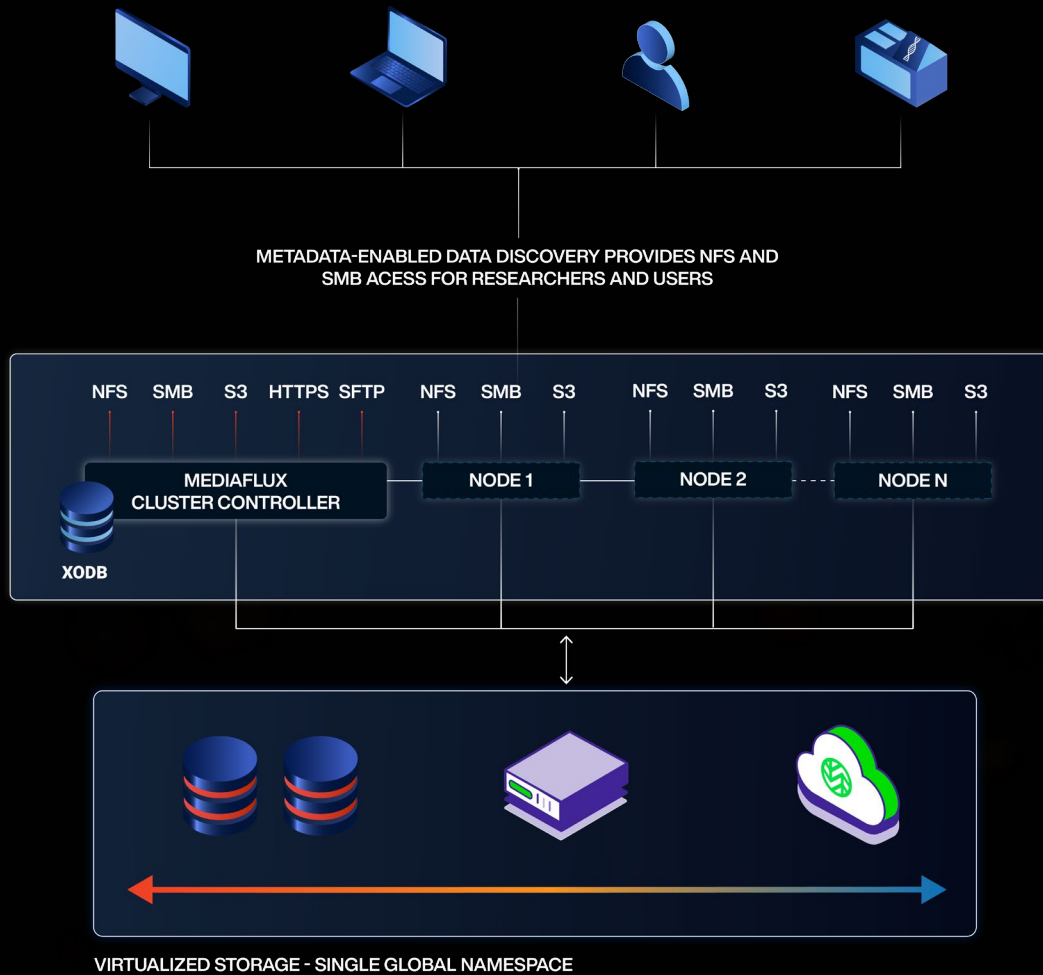
Mediaflux Gateway supports two common storage optimisation strategies:

1. Embracing a Cost-Optimised Strategy

An institution needs to expand its storage resources but is highly cost-sensitive and unable to invest in additional on-premises storage. They have up to 100TB of frequently used data stored on-premises, while any additional data is rarely accessed and can be stored in Wasabi's cloud. This setup meets their resilience needs and cost constraints, as they are willing to compromise by maintaining only one copy of infrequently accessed data in the cloud.

In this instance, a local appliance can be configured with up to 100TB of storage to act as local storage. When all this storage is full, Mediaflux Gateway can automatically tier via policy infrequently used data to the cloud, optimising on-premises efficiency with cost-effective cloud storage for long-term data.

If your organisation requires over 100TB of on-premises storage for frequently accessed files, the Mediaflux can seamlessly integrate with your new storage. It intelligently tiers data to Wasabi cloud, ensuring optimal storage efficiency by moving less frequently accessed files off-site when space is needed.



2. Prioritising Resilience with Cost-Optimised Strategies

An organisation holding highly valuable data should consider maintaining at least two copies for data resiliency. To optimise costs and avoid vendor lock-in, Mediaflux Gateway can send backups, disaster recovery copies, and data from local PowerScale storage to the cloud. Because Mediaflux Gateway is storage-agnostic, it enables a secondary copy to be tiered to the cloud securely and cost-effectively, while maintaining the flexibility to switch providers without incurring prohibitive egress charges. If necessary, they can create a new copy on a different storage solution and abandon the previously used cloud service.

The key benefits for either scenario are:

Local Storage for Low Latency Access

Frequently used files remain stored locally, ensuring lower latency and faster access times.

Efficient Cloud Data Recall

Mediaflux Gateway retrieves data from the most efficient place possible. If the data is not immediately available, notifications are sent when the data is available, ensuring you are informed throughout the process.

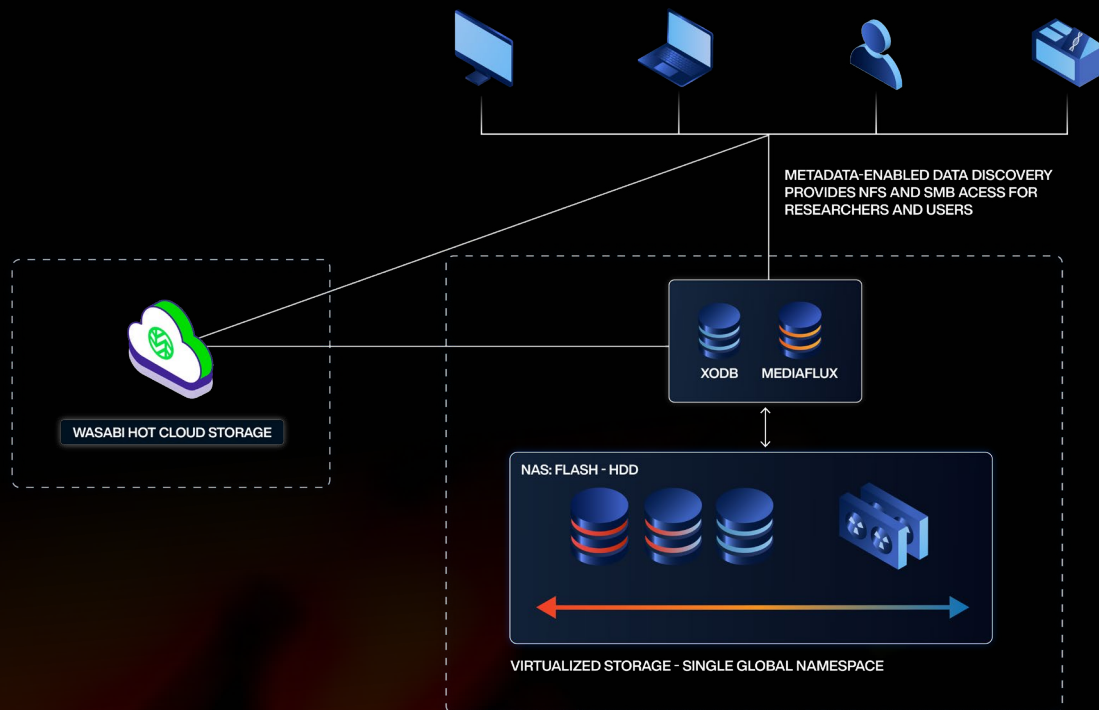
Automated Workflow Optimisation

Manual management of large data volumes can lead to inefficiencies and increased costs. Mediaflux Gateway automates workflow and data placement, optimising storage efficiency and reducing operational expenses.

Seamless Data Movement

Mediaflux Gateway facilitates seamless data movement, enhancing disaster recovery capabilities and optimising overall system performance. This ensures your business remains competitive and productive.





When a copy is stored both on-premises and in the cloud, additional benefits include:

Enhanced Resilience: Maintaining two copies of data on genetically diverse and separately located storage (on-premises and cloud) enhances resilience against breaches, cyber-attacks, and natural disasters.

Robust Backup and Disaster Recovery: Mediaflux Gateway provides secure offsite backups and disaster recovery capabilities, enabling quick recovery and ensuring data resilience.

The Mediaflux Difference

Mediaflux is a comprehensive data management platform that can operate at a tremendous scale to help organisations better manage their data throughout its entire lifecycle. There are several advantages only available with Mediaflux to enhance cloud storage workflows:

- Mediaflux Data Mover revolutionises how organisations exchange assets and data securely, both internally and externally.
- Easily manage and control shared assets, specifying permissions and access from any location.
- External parties can seamlessly send or receive data from any storage tier via emailed links, eliminating the need for local login accounts.
- Every transaction is meticulously audited for complete traceability, ensuring compliance and security.
- Data Mover integrates seamlessly with cloud storage, enhancing workflow efficiency even from the deepest and cheapest tiers.

About Arcitecta

Arcitecta has been building the world's best data management 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 leading organisations to solve some of the most challenging problems on the planet.

About Wasabi

Recognised as one of the technology industry's fastest growing companies, Wasabi is on a mission to store the world's data by making cloud storage affordable, predictable and secure. With Wasabi, visionary companies gain the freedom to use their data whenever they like without being hit with unpredictable fees or vendor lock-in. Instead, they're free to build best-of-breed solutions with the industry's fastest-growing ecosystem of independent cloud application partners. Customers and partners all over the world trust Wasabi to help them put their data to work so they can unlock their full potential.

