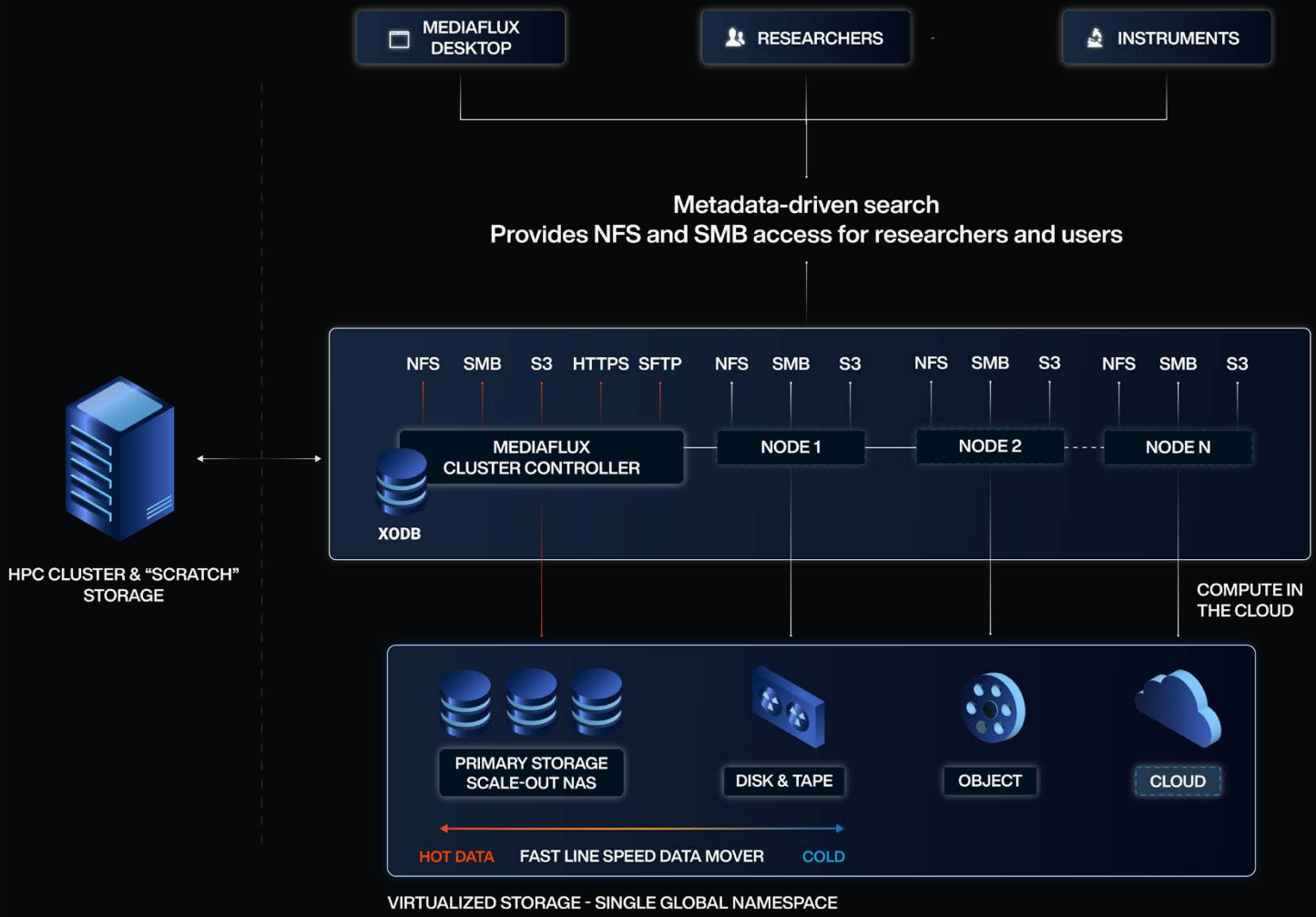
MEDIAFLUX
MADE BY ARCITECTA

Mediaflux® is a flexible data + metadata management solution that virtualizes otherwise incompatible data stovepipes into a secure distributed collaboration environment.

Designed for extreme scale and flexibility, Mediaflux provides automated indexing of content and metadata to enable global management of any type of structured and unstructured data on any storage system across multiple classification levels and locations, with no operational impact to existing infrastructures.



ARCITECTA®
OPERATING SYSTEMS FOR META+DATA

Arcitecta®, Mediaflux® and XODB® are registered trademarks of Arcitecta IP Pty. Ltd. All rights reserved worldwide. © Copyright Arcitecta IP Pty. Ltd. 2022–26.
www.arcitecta.com | talk@arcitecta.com

Protect your investment with the flexibility to adapt to the future.

Since data typically lasts far longer than any hardware infrastructure or application, Mediaflux provides investment protection over the long term.

By non-disruptively virtualizing different storage technologies into a common management framework, existing data and infrastructures can co-exist with new technology and use cases to future-proof access to the data without impacting current operations or needing to replace legacy systems.

As a distributed data and metadata management solution, Mediaflux contains powerful multi-site data federation and replication capabilities to optimize storage utilization, and rapidly adapt to changing use cases, applications and security requirements.

Leveraging the power of metadata.

Mediaflux is a comprehensive data + metadata management software platform that addresses the need to classify and order data, so it's readily available to those with authority to access and analyze it.

Mediaflux automatically indexes metadata and data of all types from any source or on any storage system to provide accurate global access, discovery and rapid tasking.

Mediaflux is designed to start small with limited use cases and easily scale to support hundreds of billions of assets and exascale data volumes.

Bring order to large scale data management.

Mediaflux streamlines all your data, metadata and workflows for the life of your data. Able to handle structured and unstructured data in any format, Mediaflux enables applications and workflows to access distributed data on existing and new systems. Mediaflux makes it easy for non-IT people to perform sophisticated queries and enables secure global collaboration. Mediaflux puts control of the information in the hands of people authorized to use it.

Bridge different data silos to accelerate time to insight.

No matter where your data is stored, Mediaflux makes data available through a single global namespace that enables secure global collaboration across diverse and often incompatible data types and storage environments.

Eliminating data silos enables rapid, ad-hoc search across the entirety of data. For example, from a local PC, any authorized user can search all data recently created and currently residing on the fast first tier of storage; the less active data on slower, less expensive storage; the long-term archive in another location, potentially the cloud; and even data residing in deep archives (such as on tape) in a data warehouse.

© Copyright 2022–26 Arcitecta IP Pty. Ltd.
All rights reserved

Streamline data management	How it works	How you benefit
Workflow	Mediaflux supports simple/complex workflows and processes, and delivers data to external applications and systems for transformation or downstream uses.	Mediaflux streamlines your information flows – from data capture to discovery to deployment.
Replication	Automatically share all or parts of datasets to multiple systems based upon policies and use cases.	Reduces the overhead on your IT systems, and enhances collaboration as data is made available to multiple users, securely, wherever and whenever they need it.
Federation	Collaborate across multiple systems, including remote locations and different classification levels.	

Data capture to decision	How it works	How you benefit
Bridge incompatible data stovepipes	Mediaflux works with any storage or compute system and virtualizes new and legacy data into a common view.	Existing systems can remain in place until they are decommissioned, future-proofing the system without impacting existing workflows.
Automated metadata extraction	Automatically harvest any metadata from new or legacy data, including rich metadata from geospatial data types.	Mediaflux makes data management easier, and speeds up searches, as the 'discoverable' elements of your data are automatically captured and made accessible.
Rapid ingest and QA	Ingest large datasets based on patterns defining which files to process or ignore, which to combine and which are related.	This speeds up queries and makes best use of your existing IT systems.

Data security and provenance	How it works	How you benefit
Versioning	Data and metdata are each versioned independently as changes are made.	Enables users to turn back the clock to previous versions of any file. Can be tuned for storage efficiency.
Traceability	Trace any query result back to original source data.	Ensures the provenance of your data, for security and IP protection.
Auditing	All actions by anyone is captured in a permanent audit trail that is not possible to delete or alter.	Combined with versioning, Mediaflux's audit system ensures that no unauthorized changes can be made to data.
Access control	Role-based security supports existing authentication and multiple classification levels. Enables global searches across disparate systems.	Mediaflux enables you to add rich data management features maintaining your preferred access controls and classification protocols.

© Copyright 2022–26 Arcitecta IP Pty. Ltd.
All rights reserved