

MEDIAFLUX[®]

MADE BY ARCTECTA[®]



OPTIMISE THE WORKFLOWS OF DATA INTENSIVE SCIENTIFIC RESEARCH WITH A **SMARTER**, MORE **FLEXIBLE** DATA MANAGEMENT SOLUTION.

Mediaflux is a robust, flexible data + metadata management solution that virtualises life science data silos into a secure, single global namespace for a distributed collaboration environment.

DATA INTENSIVE LIFE SCIENCE IS A DIFFERENT BEAST.
MEDIAFLUX ADAPTS TO THE MOST DEMANDING ENVIRONMENTS.



CUT STORAGE COSTS

Tier data to low cost storage, duplication and useless data removal, the right data at the right place at the right cost



ENSURE DATA PROVENANCE AND REPRODUCIBILITY

Track which genomic data was processed by which application and version within an analysis pipeline to ensure reproducibility and data integrity.



FIND DATA EASILY

Metadata extraction and search locates hard-to-find data by querying workflow-specific metadata describing stored data.



HIGH PERFORMANCE AND HIGH SCALE OPERATION

Parallel I/O for ingestion, migration and replication, high-performance, massively scalable XODB NoSQL database.



COMPLETE DATA VISIBILITY ACROSS A SINGLE GLOBAL NAMESPACE

Characterise information by data type, use, owner, size, last accessed, etc. Gives administrators the information needed to lower storage costs and preserve research data.



DATA PROTECTION

Replication and backup, disaster recovery across remote sites, move and distribute data to wherever it is needed.



ANALYSIS WORKFLOW AUTOMATION

Automate complex workflows and processes based on user requirements, and deliver data to external applications and systems for transformation.



INTEGRATED DATA LIFECYCLE MANAGEMENT AND SECURITY

Data collection, analysis, sharing (open data export), discovery, archive, data re-use and monetisation, versioning, access control, auditing, checksum and WORM.

ABOUT ARCITECTA

Arcitecta was founded to create the best possible technology for handling all forms of data, to provide the capability to solve the most demanding data management problems with the simplest possible solutions.

We provide the right data, in the right place, at the right time, to ensure you realise the maximum value from your data.

We solve the problems others cannot.

