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.