Mediaflux® Data Mover

Wrangle less. Discover more.

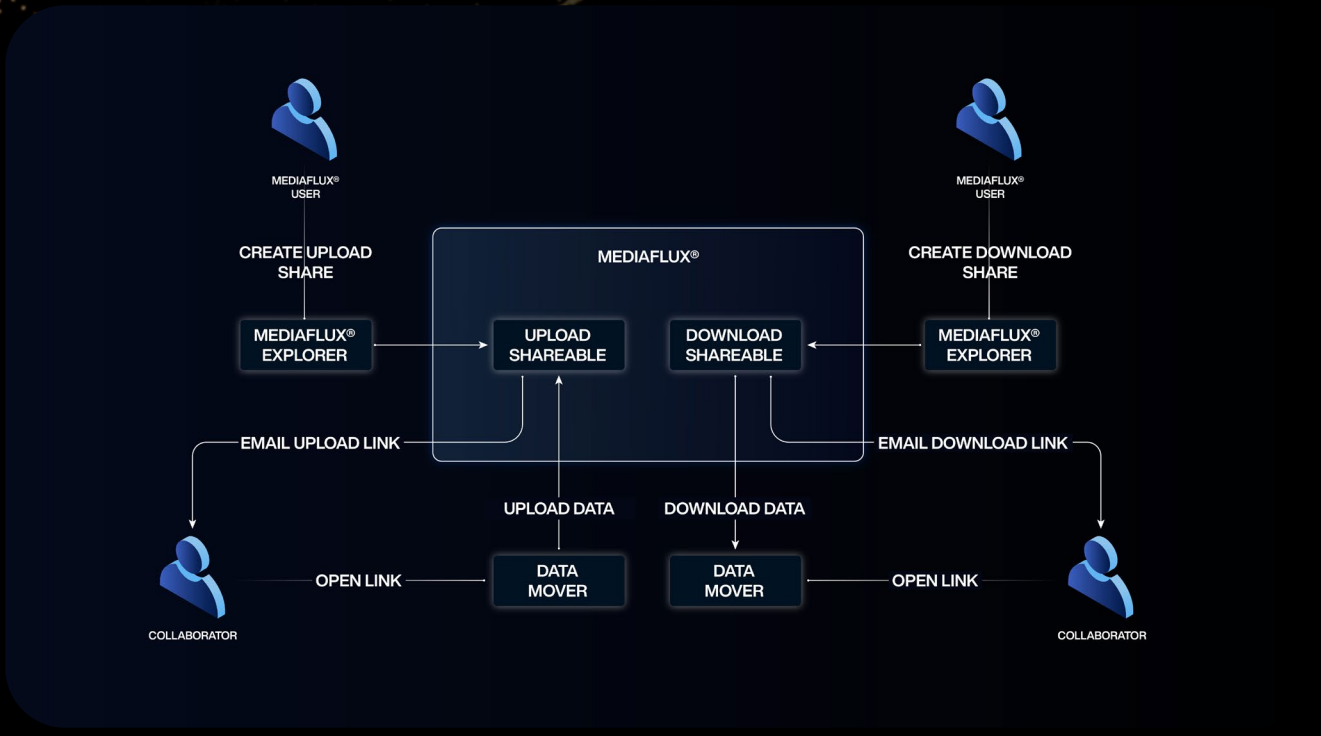
‘Shareables’ provide organisations with an easy and secure way to exchange assets and data with both internal and external entities.

Easily control which assets can be shared, by whom, and from where.

External entities do not need local login accounts - simply email a link to the other party in order for them to send or receive data.

Everything is audited for full traceability.

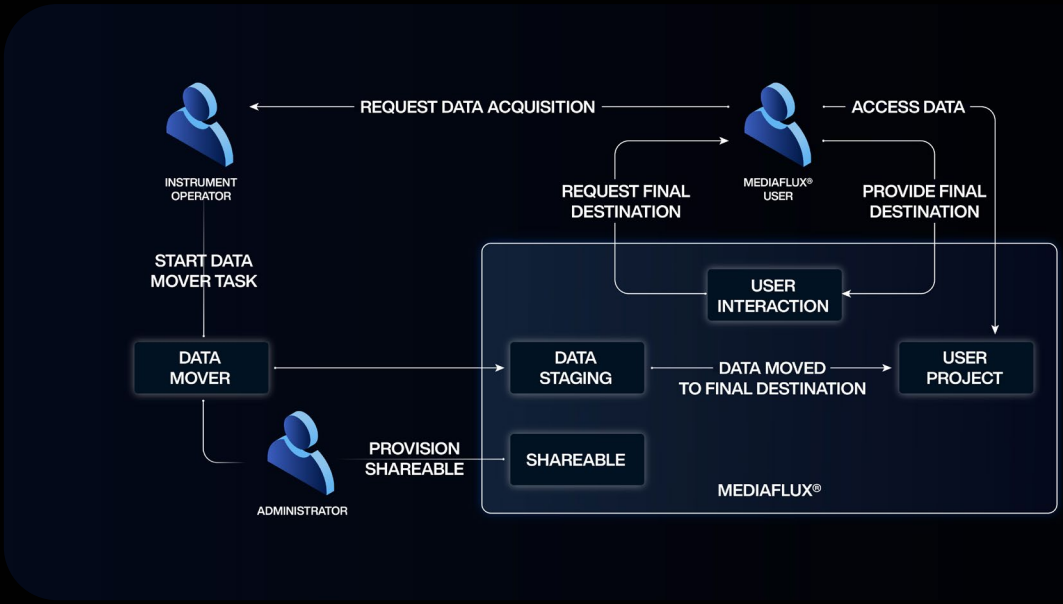
Integrates with instrument platforms.



Data is exploding in scale.

Every new instrument implemented at a research institute significantly increases the total amount of data generated. The cascading effects of data proliferation across research institutions make all data management operations increasingly complex, as data becomes harder to find, move, analyse, and retire. Things clearly need to change.

www.arcitecta.com | talk@arcitecta.com



Data Mover Workflow in a Research Environment

Seamless Instrument Integration.

Data Mover is a tool that provides a seamless way for research teams to move their instrument data into a Mediaflux holding area that only they can access. Once the upload from the instrument is provisioned, metadata will be added to ensure the data within the holding area is findable. From this holding area the researcher can elect to move the data to any number of secondary locations. Data Mover makes moving data from an instrument into a workspace or sharing large and instrument specific data between distributed teams, both locally and globally, an easy and timely process.

Streamlines Finding and Sharing Data.

Data Mover ensures data from any number of instruments remains Findable, Accessible, Interoperable, and Re-Usable (F.A.I.R) during all stages of its lifecycle. Data Mover operates through the creation of 'shareables,' a URL or consumable token provided via email or SMS that allows part of a data collection to be streamed for download or external users to upload data their own data to the collection specified. After a primary upload is initiated by a platform or power user, researchers simply need to install the Data Mover app and use the token sent to them to access or share their data.

Data Mover also allows users to save data to other end points. These end locations could be an SCP or SFTP server for example. This ensures researchers can easily access and use their data at other affiliated, and potentially shared, storage locations.

Provides Extensive Flexibility and Adaptability.

Built with users and system administrators in mind, Data Mover allows for the input of additional metadata when uploading instrument data. This metadata can be used to ensure the data remains consistently findable throughout its lifecycle, or be used to help system admins identify policies like ageing off churn and burn data, or retiring other data sets to lower cost glacier storage.

Robust Security.

Every upload and download that occurs via a 'shareable' is time-stamped and assigned an IP address. Suspicious or potentially unsafe operations can be tracked via this direct audit trail. Furthermore, users can instantiate passwords for any 'shareables' they generate, bolstering protection against unauthorised access. This increases user accountability and encourages responsible data handling. Data Mover acts as an autonomous bureau service that moves large data, both in file size and volume, securely and quickly via HTTPS protocol and extensive integrity checking.