ARCITECTA MEDIAFLUX®

REDUCING THE END-TO-END TIME FOR INFORMATION & INTELLIGENCE ACQUISITION, ANALYSIS, DECISION-MAKING AND EFFECTIVE RESPONSE, IN ONE SEAMLESS SYSTEM

ABOUT MEDIAFLUX

Data is the digital embodiment of any organisation's intellectual capital. Mediaflux provides the right data, in the right place, at the right time, to ensure that you realise maximum value from your data.

Mediaflux is a rich, hardware-independent platform for curating, managing, protecting, exploiting and disseminating any type of data, on any storage system, across all phases of your data lifecycle.

Mediaflux is flexible. It can intelligently ingest and manage any data with extensible support for extracting deeper contextual metadata from recognized file types. Rich data processing workflows can be constructed which seamlessly integrate your business systems and compute infrastructure with your data holdings. By combining data management, metadata curation and your business rules into a single distributed solution Mediaflux offers an orchestration capability eliminating the need to duplicate data while maximises the return on your data holdings.

Multiple Mediaflux instances can be coupled, tightly or loosely, into disparate replicated federations. Disconnected instances can participate seamlessly through air-gapped data/metadata replication even over low bandwidth unreliable connections.

A platform of competence with 10+ years of service in many industries dealing with massive data volumes.

Mediaflux is feature-rich platform agnostic solution designed to address big data management problems in many of todays fastest moving industries including research, pharmaceutical and defence. Mediaflux is at the core of DigitalGlobe's commercial satellite imaging business in the U.S. and was selected ahead of leading platforms after an extensive year long review process. Around the world Mediaflux is deployed in many organizations managing 100s of Petabytes of mission critical data with billions of points of metadata.

An open platform with tight security and access controls driven through a simple API.

Mediaflux is secure and is currently deployed on networks at all levels of classification. It supports your authentication mechanisms and is protected by powerful multi-level access controls. Mediaflux additionally allows full system auditing and support for security classifications.

Based around world-class Australian database technology.

Arcitecta® is based in Melbourne, Australia, with a second office in Louisville, Colorado. We are 100% Australian owned and we build almost every facet of our software stack from the ground up.

MEDIAFLUX CAPABILITY

Rules-driven ingest of many defence and commercial imagery formats with industry metadata standards (ISO19115, DigitalGlobe, AirBus, Planet, etc)

MotionINT lifecycle management including extensive support for MISB telemetry, mission replication and context-driven data retention policies. Full support for generic time-series track datasets.

Powerful data-management capabilities including metadata driven storage policies and triggers

Maintains object data in a secure, version-controlled, flexible virtual file system

Implement workflow processes including API triggered, network-driven, event-based or scheduled actions

Search and data curation through an open API which can be accessed by any scripting or programming language

Data discovery and accessibility through multiple open industry standards like OGC CSW & WFS, OpenSearch and OAI PMH

Smart rules-driven data export and dissemination capabilities with support for dynamic metadata translation

ABOUT ARCITECTA

OUR HISTORY

Arcitecta was founded in 1998 and is headquartered in Melbourne, Australia.

Today, individuals through to large teams of people and enterprises around the world use our technology to manage simple through to complex data intensive workflows.

OUR GOAL

No enterprise can succeed without generating or consuming some form of data.

Our purpose is to provide the right data, in the right place at the right time so our customers gain the maximum value from one of their most significant assets: data.
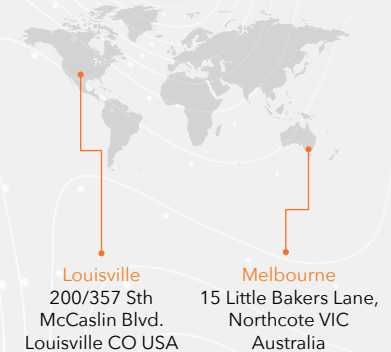
We can help you unlock the power of your data, regardless of how disparate the sources and formats.

OUR CULTURE

We strive to do what others cannot. Our ethos meshes science and art. We encourage diversity in thought and cross-disciplinarians. We engage in projects that are creative through to those that are highly technical.

We are passionate technology innovators, looking beyond the current horizon. We encourage each other to think outside the box. We focus on continuous improvement and encourage staff to increase their skills, efficiency and performance.

We invest heavily in continuous research, development and innovation.

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