Jason Lohrey: Mediaflux™: A data management platform for collaborative research

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Abstract

Mediaflux™, from Arcitecta, enables the discovery, sharing and collaborative evolution of knowledge. It provides flexible capture and storage of arbitrary scientific and research data.

Jason will look at how e-Science customers, such as the Howard Florey Institute for Neuroscience and the Australian Animal Health Laboratories at the CSIRO, utilize Mediaflux™ for collaboration and research. He will conclude with a discussion of the interoperability issues for distributed research involving heterogeneous data repositories.

Mediaflux™ is a digital asset management and application platform that can be rapidly applied to problem domains requiring capture, characterization and dissemination of digital information and data. It supports flexible XML metadata and metadata evolution, trans-coding, workflow, replication, federated repositories and includes a high performance hybrid object-XML database and an embedded DICOM server. Mediaflux™ has been commercially deployed since 2003.

About the speaker

Jason Lohrey is the CTO of Arcitecta and the conceiver and architect of Mediaflux™. Jason has a degree in Physics and Computer Science augmented with Fine Arts from the University of Tasmania and has worked in the IT industry for approximately 16 years. His background includes industrial, commercial, scientific, and creative applications for computing. For most of his working career, Jason has focused on research, design and development of digital asset management and database systems with companies including Kodak (with the Academy award winning non-linear editing and compositing system, Cineon), Discreet Logic and Silicon Graphics. Five years ago, while in residence at painter Arthur Boyd's property at Bundanon, New South Wales, he penned the first lines of software for Mediaflux™.