

ShareStream Streaming Media Services

A Revolution in Digital Media Management



Key Highlights

Company

ShareStream, LLC
www.ShareStream.com

ISV Overview

ShareStream provides enterprise-wide, digital media-management platforms and rich media-delivery services for higher education.

Key Industry Needs

Streamlined and scalable archiving and delivery of media that is interoperable with learning management systems and integrated with data services.

Solution

A comprehensive media-management and delivery offering that provides an integrated best-of-breed solution for all essential steps in secure distribution of multimedia content.

Key Business Benefits

Scalability of platform; no additional investment required in human capital; interoperability and integration with university and college networks; addresses the national need for management and control of access to copyrighted content for higher education.

Sun and ShareStream

ShareStream's secure, interoperable, media-management platform with Sun's high-performance server and storage platforms provide higher education with an 'all-in-one' solution for its rich media-management and delivery needs.

Products

ShareStream's Digital Media-Management and Delivery Platform for Higher Education bundled with Sun Fire™ X4500 server.



ShareStream is a secure, feature-rich digital media asset-management platform that delivers video and audio assets through streaming, downloads, and podcasts, and that specializes in interoperability with universities' and colleges' internal systems, such as data services, learning management systems, library catalogues, and university web pages. ShareStream's rich media management and delivery solution was developed in collaboration with Georgetown University at their Sun Center of Excellence for Scholarly Information.

Solution Overview

The platform is able to automate the process of encoding content, provide automated lecture capture with slide synchronization, catalogue and archive media with the appropriate metadata, organize media into folders for courses, secure and control access to content, and audit user access. ShareStream is integrated with universities' data services and is interoperable with other internal systems, such as learning management systems, library catalogues, and university web pages, bringing students and faculty the full benefits of ShareStream functionality within a familiar, centralized learning environment.

The platform also has a great deal of security and rights management features for media including user-credential verification technology that performs authentication, authorization, and course enrollment checking, in addition to restricting access to content by location/IP address and time durations. ShareStream's technology is also streaming-server and media player agnostic, so the platform works with whichever player and format makes the most sense for a particular institution. ShareStream launched at Georgetown University in January of 2006 and is currently used to manage, secure, and deliver media for over 90 courses, delivering over 60,000 on-demand requests for content last semester. ShareStream also provides an e-commerce application that allows

universities and colleges to monetize their courses and intellectual property using ShareStream's platform for distance learning and continuing education.

Features of ShareStream's pioneering digital media asset-management platform include:

- Streamlined encoding and batch upload ingestion of content;
- Tools that aggregate metadata about media assets from external sources;
- Batch upload functionality that ingests content en masse into ShareStream's enterprise media-management and delivery platform;
- Integration and interoperability with learning management systems, data services and university web pages;
- User-credential verification and identity management technology that performs authentication, authorization, and course-enrollment checking that ensure content is only viewed by appropriate parties;
- Security and rights management features, including access-control lists and IP/location-based and time-restricted access to content;
- High-level archiving and cataloging functionality;
- Automated lecture-capture technology with slide synchronization;
- Delivery of media via streaming, downloads, and podcasts;
- A reporting tool that audits all access to ShareStream's Platform.

Benefits

ShareStream benefits all participants in higher education. It provides the faculty a streamlined means of selecting, assigning, distributing and auditing content for courses. It provides students anytime, anywhere access to digital media course content. It brings librarians reduced labor costs by providing a scalable process for digitizing large collections of content, improved customer services for faculty and students, and the ability to construct large digital archives while addressing the concerns of copyright owners.

Only the ShareStream platform offers complete digital media asset management that provides superior quality audio and video content for streaming media, downloads, and podcasts in a secure environment, ensuring the highest level of identity and rights management.

ShareStream on Sun

The ShareStream platform was developed in collaboration with the Sun Center of Excellence for Scholarly Information at Georgetown University in Washington, D.C. ShareStream and Sun Microsystems' joint offering provides the higher education community with a state-of-the-art, turnkey solution for its digital media needs.

ShareStream's platform is Java-based and optimized on Solaris™ 10 OS, and runs on both x64 and SPARC® Platforms. It is bundled with the Sun Fire X4500 Server.

"I'm thrilled that ShareStream's collaboration with Sun Microsystems delivers a state-of-the-art digital media capability to universities and colleges around the world," said ShareStream co-founder and CEO David Weinstein. "The combination of ShareStream's secure media

management platform with Sun's line of high performance server and storage platforms provides the higher education information technology community an 'all-in-one' solution for its rich media-management and delivery needs.

"We are pleased that ShareStream has chosen to optimize their innovative solution with the Solaris 10 OS running on both x64 and SPARC platforms," said Kevin Roebuck, Manager of e-Learning for Sun Microsystems. According to Roebuck, "Rich media applications, like ShareStream for e-Learning, require optimized and robust computing networks. Customers will find that the Sun Fire X4500 hybrid server and storage platform running the Solaris 10 OS delivers best-in-class performance that drives business value and a great user experience while reducing IT operating costs."

Sun Education and Research

Sun seeks to help customers build the Digital Campus, a unified campus network in which individuals can interact and collaborate in a seamless, secure personalized environment. We've dedicated ourselves to providing people with all the tools they need to participate in the environment — no matter where they are — allowing them to reap the benefits of the Participation Age.

To find out more about Sun's technology and solutions for Education and Research, visit www.sun.com/edu