



# STORAGE VISIONS® 2012 CONFERENCE

JANUARY 8 & 9, 2012

AN ENTERTAINMENT STORAGE ALLIANCE™ EVENT



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**Michelle Munson, CEO, President and Co-founder, Aspera**

## **TITLE**

**Transforming Cloud Storage Systems to Support Digital Media**

## **ABSTRACT**

Cloud systems promise virtually unlimited, instant increases in storage, compute, and bandwidth. As companies have turned to cloud-based services to manage digital media file-based workflows, it has become clear that this promise is tempered by limitations in storing large media.

Designed as scalable distributed object stores, systems target applications requiring simple RW operations of binary "blobs" of data, and should work well for storing large numbers of media files. However, "blobs" are small (<1 MB) and the data access interfaces use standard HTTP protocol, limiting speeds to fractions of available bandwidth at distance.

In this presentation, Michelle Munson, Aspera CEO, president and co-founder, will discuss principles of cloud object stores, using examples of Amazon S3, Microsoft Azure, and OpenStack Swift, and performance benchmarks of their native HTTP I/O . She will share best practices in orchestration of complex, large-scale file-based media workflows, describe requirements and challenges of such IT infrastructure designs (on-premise, in the cloud or hybrid), including integration of necessary high-speed transport technologies to power ultra-high speed data movement, and adoption of appropriate high-performance network-attached storage systems.

## **BIOGRAPHY**

Michelle Munson President and Co-Founder, Aspera

Michelle Munson is co-inventor of Aspera's core technology and responsible for overseeing the company's direction. With breakthrough technology solving the fundamental problems of network data delivery, Aspera has quickly become the market leader for high-performance, global file transfer. Before founding Aspera in 2004, Ms. Munson was a software engineer in several research and start-up companies including the IBM Almaden Research Center in San Jose, California. A Fulbright Scholar, Ms. Munson holds B.S. degrees in electrical engineering and physics from Kansas State University, as well as a master's in computer science from Cambridge University. She was the 2006 KSU College of Engineering Alumni Fellow (the youngest recipient ever), and has received national achievement awards from Glamour Magazine and USA Today.