OVERCOMING THE CHALLENGES OF SHARING BIG DATA IN LIFE SCIENCES & HEALTHCARE

Healthcare and Life Sciences organizations are experiencing unprecedented growth in their data, but legacy file sending and sharing tools are failing to keep up. With patient outcomes on

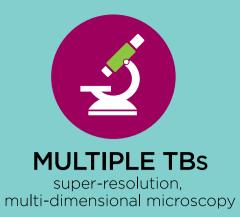
the line, researchers and medical professionals need a new approach to exchanging big data.

BIG DATA TRENDS & CHALLENGES

FILE SIZES are exploding







BIG DATA is moving to the cloud

• 72% of data storage managers sav IT infrastructure will create research bottlenecks

85% plan to increase cloud compute resources to meet research needs

GLOBAL data sharing is on the rise

200+ medical centers in the US offer video consults to support international telemedicine programs

35% of research articles published in international journals are a product of global collaboration

FILE SHARING TO ARE FAILING TO KEEP UP

88%

SharePoint

*used weekly to share files

How do employees at Healthcare & Life Science organizations share data?*

76% 73% 65% Cloud **FTP Email** file sharing

Are Healthcare & Life Sciences organizations satisfied with these solutions? Not really.

95% say their file collaboration tools don't meet their needs

58% say file sharing and sync tools are too slow or simply fail with big files **53%** report security as a roadblock to effective file sharing

LEGACY FILE SHARING PROBLEMS



FTP File Transfer

- Very slow over distance • Unreliable for big files
- Creates network congestion No security out of the box



Hard Drive Shipments

- Increased risk of data loss & theft • Time consuming & labor intensive
- Expensive to rush deliver



Cloud File Sharing

- Consumer grade security
- Slow upload/download for big files • Limited or no support for
- private cloud or on-premises

ASPERA ANEW APPROACH TO SHARING BIG DATA

IBM Aspera offers a revolutionary way to share big data. Built on its patented FASP®

transfer technology, IBM Aspera software enables healthcare & life sciences organizations to move huge research datasets and medical images at maximum speed - anywhere in the world, regardless of file size.

100x+ faster than FTP.

Fast

Secure

HIPAA requirements

Flexible Support for cloud,

Reliable

ACROSS THE US

MOVING A 10GB FILE ON A 1 GB LINE



40x Improvement in Transfer Speeds IMPROVES PATIENT OUTCOMES When FTP failed to meet their needs, the University of Pittsburgh Medical Center and

KingMed Diagnostics in China deployed Aspera software to help them share large whole slide

images 40x faster over global WANs, reducing turnarounds on cancer consults and improving patient diagnoses.

outcomes at wwww.asperasoft.com or follow us on Twitter @asperasoft.

Learn how Aspera is helping healthcare and life science companies accelerate research and improve patient

SOURCES

Century 2011

Building Infrastructure to Enable Discovery, Avere Systems Report, 2015 Telemedicine breaks down international barriers, mHealthNews, February 20, 2014 Knowledge, Networks and Nations: Global Scientific Collaboration in the 21st

HIPAA Enforcement Actions by the Numbers, Davis Wright Tremaine LLP, A Year of HIPAA Enforcement: OCR HIPAA Penalties Issued in 2015, HIPAA

Journal, January 10, 2016

Vanson Bourne B2B Integration and MFT Global Study for IBM 2015