

Banking & Financial Services

Reinventing the Modern Financial Institution with High-speed Big Data Transfer

The pace of digital transformation in the financial services industry is accelerating. Financial institutions are wrestling with rapidly growing volumes of data while trying to determine how to best store, protect and analyze it. New competitive forces, changing customer expectations and the need to reduce costs are driving the evolution to a digital and mobile world. Legacy systems and growing regulatory pressures further complicate this transition. Underpinning all of this change is the need to quickly and securely move, share and process growing sets of critical business data across global systems and teams.

Industry Trends and Innovations

Digital Financial Institution

Banks, insurers & financial firms are rapidly adopting mobile, digital and cloud technologies to streamline operations, reduce costs and respond to changing customer demands

Big Data Growth

Growth of big data and advanced analytics promises to improve many areas of business (e.g. fraud detection, trading, underwriting), but also strains data management and cost structures

Evolving Data Protection

In response to increasing regulation & cyber threats, financial firms are enhancing data protection efforts across the board including compliance, security, access management & disaster recovery

Key Industry Challenges

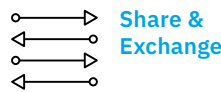
- Complying with Evolving Regulation
- Protecting Sensitive Financial Data
- Upgrading Legacy IT Systems
- Combating New FinTech Competitors
- Managing & Analyzing Big Data
- Serving the Omni-Channel Consumer

Aspera Solution Suite

Aspera offers a complete portfolio of software products built with its patented FASP® transfer technology that allows financial institutions to move, share, send and sync large files or large collections of files globally at maximum speed, with bullet-proof security and fail-proof reliability – regardless of file size, transfer distance, or network conditions. Aspera’s suite of solutions address all big data movement challenges including:



Mass Transport & Ingest



Share & Exchange



Replication & Synchronization

The Aspera FASP Advantage

Fast

Move data hundreds of times faster than TCP by fully utilizing bandwidth, regardless of file size or transfer distance

Secure

Enterprise-grade security with SSH authentication, data encryption in transit & at rest and data integrity verification

Controlled

Real-time, centralized control over transfers, nodes and users, with comprehensive logging and reporting

Reliable

Dependable transfers with auto resume for partial or failed sends

Aspera Moves Data 100X+ Faster Than FTP

MOVING A 10GB FILE				
	Network Bandwidth	Across US	US - Europe	US - Asia
Legacy Transport	100 Mbps	10-20 Hours	15-20 Hours	Impractical
	1 Gbps			
	10 Gbps			
Aspera FASP®	100 Mbps	14 Min	14 Min	14 Min
	1 Gbps	1.4 Min	1.4 Min	1.4 Min
	10 Gbps	8.4 Sec	8.4 Sec	8.4 Sec

Use Cases

Use Case 1: Large Batch Processing

Challenge

Struggle meeting SLA's for large batch deliveries (e.g. transactions, trades, policy changes) across global banking, trading and insurance systems, vendors and processing sites. Missed deliveries result in outdated customer facing applications and unsettled accounts.

Aspera Solution

Maximize data transfer speeds to guarantee deliveries and never miss SLAs using Aspera FASP-enabled solutions. Pair with Aspera Orchestrator to streamline high-volume transfers with rules based transfer workflow automation.

Use Case 2: Compliance Reporting

Challenge

Unable to aggregate large sets of data for compliance audits across remote locations (e.g. branch datacenters, ATMs, etc) and limited visibility & reporting of highly regulated file sharing across the organization. Failed audits and lost data can result in hefty fines and customer attrition.

Aspera Solution

Meet strict audit deadlines with high-speed archive & recall of large data volumes. Easily manage, track and report the movement of highly regulated transaction, trading, credit, & customer data with Aspera's robust admin controls. Enterprise grade encryption in transit and at rest ensures your valuable customer data is protected.

Use Case 3: Big Data Analytics

Challenge

Face significant delays or failures when transferring GBs & TBs of silo'ed data using legacy FTP tools into HPC clusters for analytics. Distribution of findings back out to risk, underwriting, traders, & others in the field are not timely.

Aspera Solution

Ingest large volumes of data into cloud-based analytics platforms and HPC servers at maximum speed over global WANs with Aspera high-speed transfers. Accelerate and improve decision making by quickly and securely deploying the latest findings to global teams with Aspera Files or Shares.

Use Case 4: Financial Systems Recovery

Challenge

Costly tape shipments and unreliable sync solutions fail to meet strict Recovery Point Objective (RPO) and Recovery Time Objective (RTO) targets required by critical trading, banking and insurance systems in the event of a system failure.

Aspera Solution

Reliably replicate & synchronize critical data over global networks with Aspera Sync-enabled solutions. Aspera FASP-powered transfers significantly reduce RPOs & RTOs to ensure banking, trading and insurance applications keep running through disaster.

Use Case 5: Mobile Applications

Challenge

Uploading and downloading large mobile video & images for underwriting and claims apps is slow and often fails.

Aspera Solution

Speed up mobile claims, appraisals & underwriting by enabling uploads of video and images 3x faster over mobile networks and 10-100X faster over terrestrial networks using Aspera's Mobile SDK to easily enable Aspera FASP in your apps.

Customer Success Stories

Fast Delivery of Big Data Insights to Global Traders

A global financial firm installed Aspera Enterprise Server to accelerate data collection in analytics servers and deploy daily reports to field traders before the market opened.

730% Improvement in Daily Batch Transfer Times

A credit card provider upgraded their Connect:Direct MFT solution with Aspera's High-Speed Add-on to accelerate transfers of 250GB transaction files enabling them to settle customer accounts faster.

Security Patch Deployment to 5,500 Branches Reduced to Hours

Using Aspera Point-to-Point clients, a leading bank reduced the delivery of critical security patches to 5,500 branches from days to hours significantly minimizing risk exposure.

Questions? Learn more at www.ibm.com/aspera or contact Aspera Sales at aspera-sales@ibm.com