

Why is it Important?

Some of the most valuable business data lives on the mainframe—powering mission-critical applications that drive customer transactions, inventory management, claims processing, and more. Yet sharing this essential data with open systems remains slow, costly, and inefficient. Traditional file transfer tools often rank among the top MSU consumers on the mainframe, burdening the system and budget. Luminex's revolutionary Mainframe Data Integration (MDI) technology solves this problem by redefining how mainframe data is shared, replacing outdated, resource-intensive TCP/IP methods with a faster, more efficient FICON based solution. Luminex MDI removes mainframe file transfer bottlenecks, unlocking the full potential of your most valuable data for business intelligence.

Business Challenges for Data Sharing

- A large volume of critical enterprise data remains siloed on the mainframe
- Legacy data-sharing methods are slow, expensive, and inefficient
- Transfers are delayed by priority jobs, consuming costly MSUs
- Valuable data loses impact due to slow transfer speeds
- High costs prevent key data from being included in business analytics
- Limited visibility into individual business unit file transfer usage

Technical Challenges

- TCP/IP based data transfers are slow and heavy MSU consumers
- TCP/IP relies on shared resources like OSA cards that are not dedicated to file transfers
- Licensing complexity
- Inadequate reporting on usage
- Inability to securely share mainframe data
- Inability to leverage cloud

Key Plays

- 22x faster mainframe data transfers
- Decrease time to insight for mainframe data analytics
- More robust insights into the enterprise
- Feed more valuable data into LLMs
- Consult - Data, AI & Analytics, & Reporting (Mainframe Data)
- Operational Resilience / Orchestrated Cyber Recovery
- Hybrid Cloud & Digital Transformation

Why Now?

- Reduce cost and operational complexity
- Mainframe modernization is customer priority when adapting to competitive business pressures
- Incorporate analytics / AI differentiation

Cloud

Seamless cloud integration to fulfill hybrid cloud strategies. Works with all major public and private cloud providers.



Industry Leadership

Established in 1994, Luminex specializes in mainframe virtual tape and FICON solutions, trusted globally and across all industries.

Learn More

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