

No More Data Silos

With today's rapidly growing hybrid cloud infrastructure, tight integration between on-premise and cloud based infrastructure is more important than ever. To do this, cloud processes must be integrated with valuable mainframe data.

Luminex's MDI Cloud Data Sharing seamlessly bridges the gap between the mainframe and the cloud by eliminating the mainframe reliance on inefficient TCP/IP. By using a fast and efficient FICON channel to send data to a cloud target data silos can be eliminated and the amount of shared data dramatically increased.

The Fastest Transfer Speeds Available

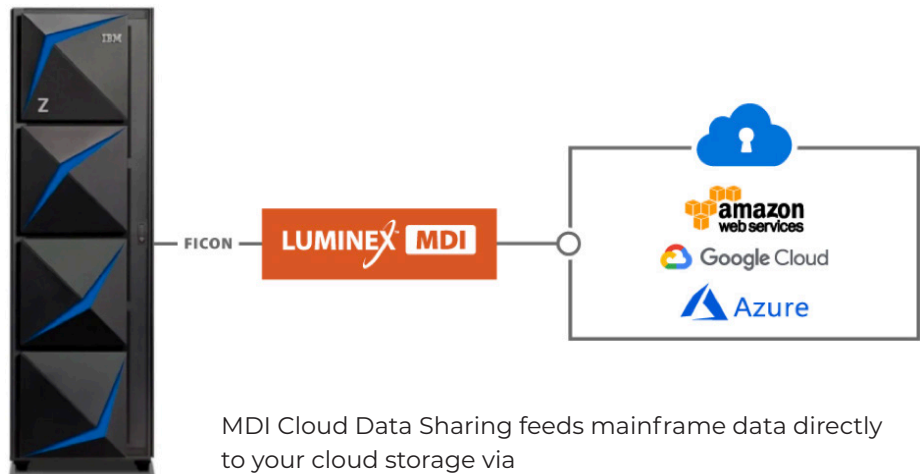
Easily share data between the mainframe and the cloud, both for sending and retrieving data to and from a cloud object storage. The use of the high speed FICON I/O channel instead of TCP/IP allows transfers to occur **22x faster**, saving valuable time when trying to meet the tight SLAs demanded by today's IT needs.

Benefits:

- Reduce CPU time by up to 99%
- Improve security, performance & reliability
- Transmit data to the cloud at speeds up to 25 GbE per channel
- Shorten elapsed time by a factor of 20 or more
- Eliminate open ports for more secure data transfers

Features:

- **High-Speed FICON Interface**
 - 800MB/s per MDI platform
- **Redundant Data Paths**
- **Supports Microsoft Azure®, Google Cloud Platform®, Amazon S3, and more.**



Improve Data Security

TCP/IP ports are well-known intrusion targets for malicious activity and FTP data sent unencrypted is a clear risk for data security. Cloud Data Sharing uses secure FICON channels instead, acting as a DMZ by connecting to Hadoop over encrypted webHDFS.

Better Data Access, Reduced MIPS

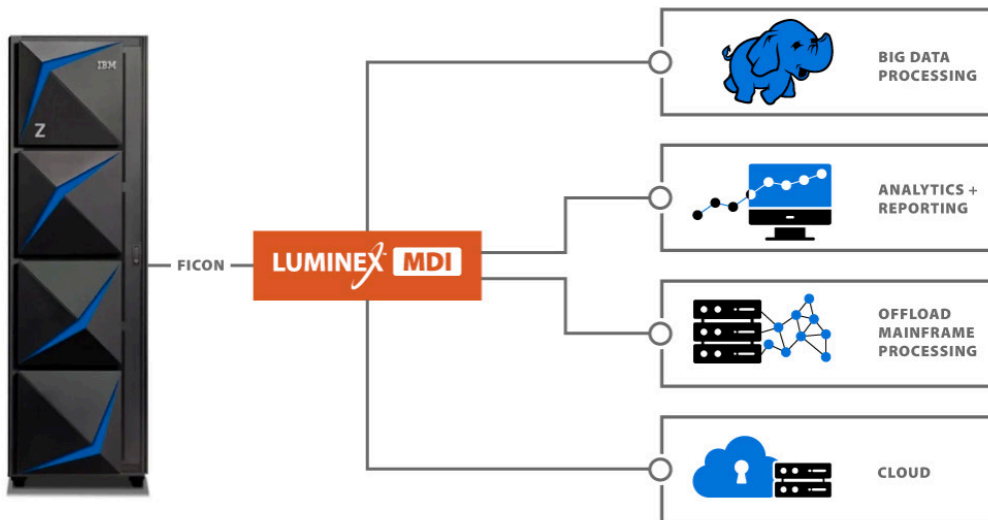
Data encryption, large file transfers over TCP/IP, and other cloud connecting software can drastically increase MIPS - diminishing returns on hybrid cloud projects. MDI Cloud Data Sharing uses the ICEGENER facility and shifts encryption, EBCDIC-to-ASCII conversion, and data movement off-host to the MDI Platform. The result is more mainframe processing cycles that are available for repurposing or increasing data availability - for better business intelligence and decision-making.

Easy Implementation

MDI Cloud Data Sharing's secure connection to cloud object storage eliminates the need for complex processes surrounding the installation of digital certificates or setting up FTPS/SFTP jobs. Sending jobs securely is as simple as issuing an ICEGENER with straightforward parameters in JCL.

Luminex MDI: The platform that moves data up to 22.5x faster.

Cloud Data Sharing uses the Luminex MDI platform, which provides secure and efficient interchange of data between mainframes and distributed systems via FICON channels and off-host processing. It includes a core transport system that enables bi-directional workflows for data sharing, transformation, and movement to Big Data applications, computing grids, low-cost NFS, SAN or object storage.



More MDI Solutions:

- MDI SLP™ for Data Analytics & Transformation
- MDI SecureTransfer™
- MDI zKconnect™ for Kafka
- MDI Cross-Platform Data Sharing™
- MDI Big Data Transfer™

MDI provides secure, efficient access to Big Value Data from the mainframe for use by other authorized business units, partners or customers.