

Business applications are continually developed to increase the productivity, capability and agility of an enterprise. This requires the timely and accurate processing of critical information in order for applications to be effective, creating an ever-increasing demand for access to mainframe data. However, sharing this important data from the mainframe can be slow, expose data in the clear and interfere with processing mission critical workloads.

XPDS' unique use of the mainframe's FICON I/O channel provides efficient, secure and scalable access to mainframe data, on demand. XPDS also provides the ability for mainframes to receive data and initiate authorized subroutines, allowing application developers to build bidirectional, multi-platform workflows for distributed processing, saving important mainframe cycles for mission critical workloads.

### A Bidirectional Bridge for On Demand Access

XPDS serves as a bidirectional bridge sending data to and from the mainframe. Without the overhead cost of TCP/IP methods, data can be moved to NFS storage anytime, providing application teams direct access to mainframe data. As simply as writing a dataset to tape, XPDS transfers data securely down the FICON channel and places it in application-specific directories on NFS storage. Additional pre- and post-actions can be performed, as well as EBCDIC-to-ASCII conversion.

XPDS also enables integration with off-host applications, allowing the mainframe to receive data from distributed environments, catalog the datasets and optionally trigger additional mainframe processes. These workflows are governed by SAF, using PassTickets to confirm security permissions prior to any data transfer, keeping the mainframe in control of both security and job management.

### Prioritize Mission Critical Workloads

Through its use of familiar tools and automated processes, XPDS provides the opportunity to better manage and prioritize mainframe workloads. Non-critical workloads such as Sort, logic applications and reporting, can be easily processed off-host, using distributed systems applications, with the ability to distribute results or send them back to the mainframe with ease; reducing the mainframe workload, without eliminating control.

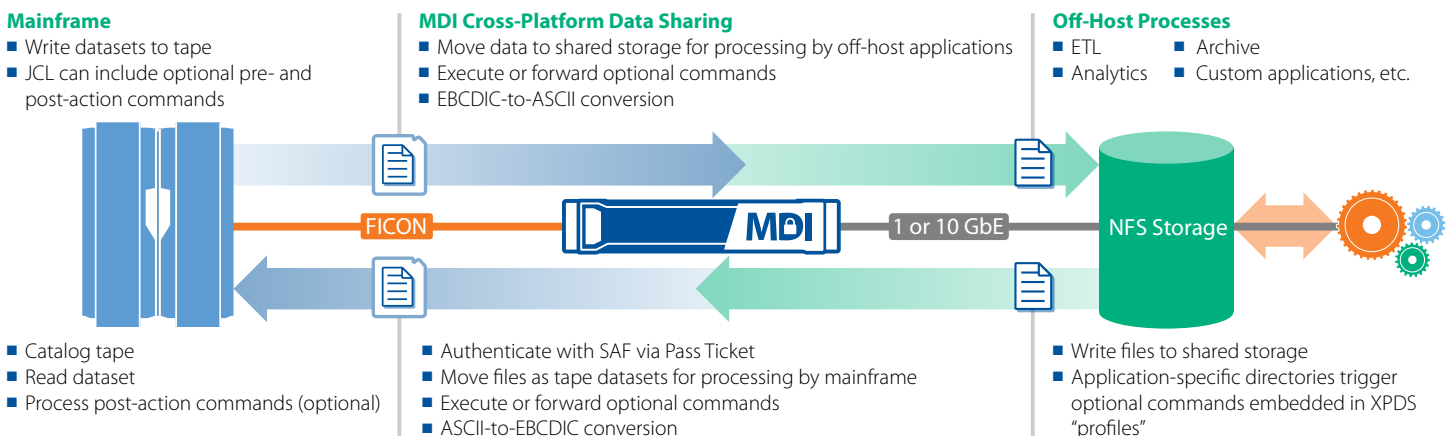


#### Features

- Mainframe FICON I/O channel based data movement to and from NFS storage
- Pre- and post-action capabilities for automating cross-platform processes
- Distributed systems-initiated transfers and job launching with SAF governance

#### Benefits

- On-demand, secure and easy access to data
- Reduce mainframe workloads using a mainframe coprocessor
- Bypass network congestion
- Bidirectional sharing and workflows
- Increase speed of data transfers
- Low mainframe overhead
- Scalability without impacting mainframe resources



*XPDS enables mainframes to exchange data with distributed systems and leverage cross-platform workflows, all over FICON and under the control of mainframe security and job management.*

### More MDI Solutions

The Luminex MDI product line enables limitless data integration, transfer and off-host processing capabilities via task-specific solutions.

- **MDI SLP™ for Data Analytics & Transformation**

Designed to offload mainframe processing of SAS language applications, including MXG reporting from SMF data, to reduce wall-clock time and free up valuable MSUs and DASD for more business-critical workloads.

- **MDI SecureTransfer™**

Leverage native FICON to transfer data to and from the mainframe faster, more efficiently and more securely than TCP/IP. Significantly reduce MSUs by offloading compression, encryption and data conversion processing. Ease the transition with JCL conversion services and eliminate the need to install digital certificates.

- **MDI zKconnect™ for Kafka**

Near-real time streaming of mainframe application and z/OS system data to Kafka using easy and agile JCL-based publishing. Achieve unmatched reliability and performance for large data sets as well as off-host inline copybook conversion to standard formats.

- **MDI BigData Transfer™**

Integrate mainframe Big Value Data with Big Data Analytics and Data Lakes using more efficient FICON I/O channels. Greater efficiency and faster data movement enables more frequent access to data for better business intelligence, decision-making and competitive advantage.

### About Luminex

Luminex serves as a trusted advocate helping enterprise customers protect, manage, and leverage corporate data assets by developing and delivering high quality, innovative technology solutions.

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### Bypass Network Traffic

While an integrated enterprise improves business operations, the opposite can be said regarding network traffic. As more data is moved between the mainframe and distributed systems over TCP/IP, the increased burden on mainframe network traffic creates a bottleneck, resulting in slower access to data. XPDS eliminates the need for mainframe TCP/IP by leveraging native FICON channels to move data quickly between the mainframe and NFS storage, often increasing speeds up to 90% and significantly reducing MSUs for data movement.

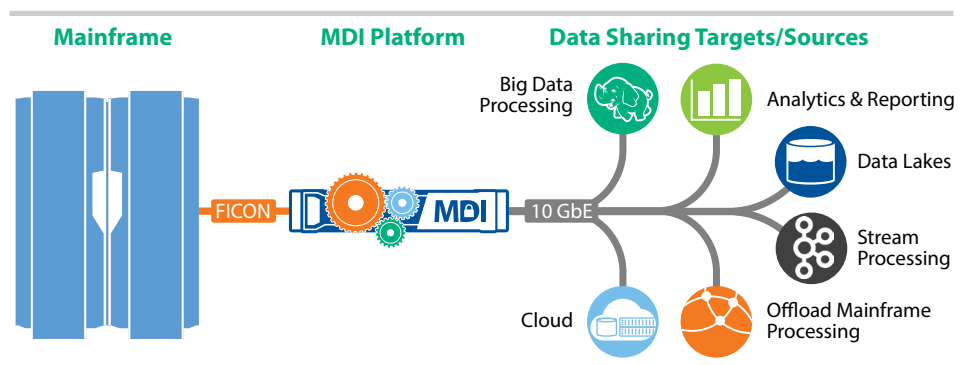
### Secure Yet Simple Solution

Data transfer solutions often require sacrificing security or simplicity. Options such as FTP create vulnerabilities by sending credentials and data in the clear. As a result, hackers target FTP to infiltrate the network through open ports. In addition to the large financial costs, such security breaches often damage an organization's public image, prompting urgent corporate mandates to secure all file transfers. Unfortunately, switching to secure TCP/IP-based methods such as SFTP on the mainframe are often cumbersome to implement and consume far more MSUs.

XPDS' use of FICON eliminates the need to use mainframe TCP/IP ports to move data and, as a result, removes points of entry for hackers.

### Luminex MDI: Mainframe Data Integration

XPDS is based on the MDI Platform which is a mainframe coprocessor that provides the secure interchange of data between mainframes and distributed systems, via FICON channels, and off-host processing. MDI enables mainframe integration with enterprise-wide business applications and systems such as Big Data applications, computing grids, low-cost NFS, SAN or object storage. The MDI family of products all offer the secure interchange of data between mainframes and distributed systems using the secure and fast FICON channel. The platform consists of a core transport system, based on Luminex's heritage of mainframe connectivity technologies, directing bi-directional work flows for data sharing, transformation and movement wherever mainframes and distributed systems need to securely and efficiently exchange data.



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

Now, enterprises can take full advantage of all of the data that is stored in mainframes and non-mainframe environments for competitive advantage.