

Off-host processing: For Application Efficiency:

- Reclaim mainframe MSUs and DASD for use by other critical workloads
- Run analytics faster and more frequently for more timely analytics and reporting
- Maintain mainframe control of job scheduling, security and report distribution
- Simplify development and ad-hoc reporting
- Modernize your SAS applications with new tools and languages such as R and Python

Reduce Operating Costs, Increase Resource Availability

Keep your critical SAS programs without sacrificing mainframe MSUs, memory, and DASD.

Applications coded in the SAS programming language, such as MXG, offer comparable capability in non-mainframe (ASCII) environments. MXG provides unique advantages in the ASCII version, making MXG a great candidate for off-host processing.

MDI SLP™ modernizes your applications

With Luminex MDI, customers produce better insights by securely and more efficiently transferring, sharing, processing and leveraging data between mainframes and distributed systems.

MDI SLP™ extends the capability of MDI to co-process applications written in the SAS language, such as MXG, saving valuable mainframe resources and promoting application modernization without sacrificing performance.

Increased Security and Scalability with FICON

Typical approaches that rely on mainframe TCP/IP to move SAS workloads off-host introduce unintended performance bottlenecks and security risks while increasing MSUs associated with data movement.

MDI SLP mitigates these risks by leveraging the mainframe's native FICON I/O channels for communication and data movement. As demand for access to mainframe data increases, MDI SLP can scale throughput and availability without impacting mainframe resources and avoiding costly mainframe upgrades.

MDI SLP™ Use Cases:

SAS Language + MXG

Your essential reports at a lower cost

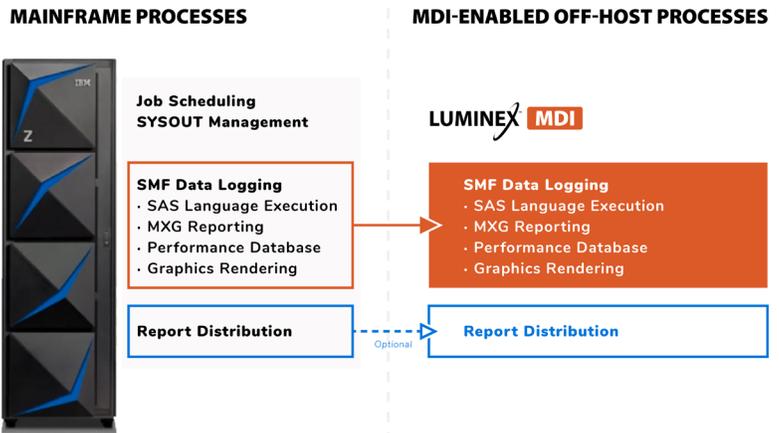
Many mainframe clients use MXG (Merrill's Expanded Guide) for SMF reporting, an essential for performance and capacity planning. Raw SMF records are processed into the MXG Performance Database (PDB) using SAS language code to produce a variety of performance measurement graphs and charts.

MXG is a perfect candidate for off-hosting, as the SMF data is often large and building the PDB on the mainframe can be quite costly in terms of CPU, memory and disk (DASD) usage. Some even report MXG as their largest MIPS user.

Modernize and Enhance Your Mainframe's Abilities

MDI SLP moves SMF data off the mainframe fast using native FICON channels, and then initiates the ASCII version of MXG to build the PDB used for system measurement reporting.

Co-processing SAS language applications with MDI SLP modernizes your mainframe environment and offers the ability to integrate new languages such as Java, R and Python into your SAS application environment and improve code maintenance.



MDI SLP enables efficient off-host processing of SAS language-based processes, such as SMF reporting.

SAS Language

Seamless, low-cost off-hosting

A Simple JCL change is all that's needed to execute batch processes that use SAS language programs. The SAS language code and data to be processed are transferred via the MDI Platform to a SAS-on-Linux server on the FICON channel. MDI SLP then coordinates report processing and returns the results to the awaiting batch job on the mainframe. This seamless integration allows mainframe applications to take advantage of low-cost off-host processing with very little development cost.

Prolong the life of your mainframes By significantly reducing mainframe overhead for SAS language processing, data centers can increase the frequency and variety of SAS analytics and reporting, and satisfy latent demand for other workloads without the need for a mainframe upgrade.

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

MDI SLP 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.

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

Easy Implementation with Luminex Professional Services

From the discovery call through migration, you're covered. Our team will review your current SAS language usage and work with you to design and implement more cost-effective, modern strategies around SAS language-based applications.

More MDI Solutions:

- MDI BigData Transfer™
- MDI zKconnect™ for Kafka
- MDI SecureTransfer™
- MDI Cloud Data Sharing™
- MDI Cross-Platform Data Sharing™