MDI zKonnect™

KAFKA™ INTEGRATION FOR MAINFRAMES

LUMINEX MDI

Your Data When Kafka Needs It

Kafka's powerful real-time data collection and analysis capabilities have become an integral part of the decision making process for Fortune 500 companies. Processing trillions of transactions per day and unlocking new use cases for data, Kafka data pipelines and streaming applications need constant, reliable access to your mainframe's data.

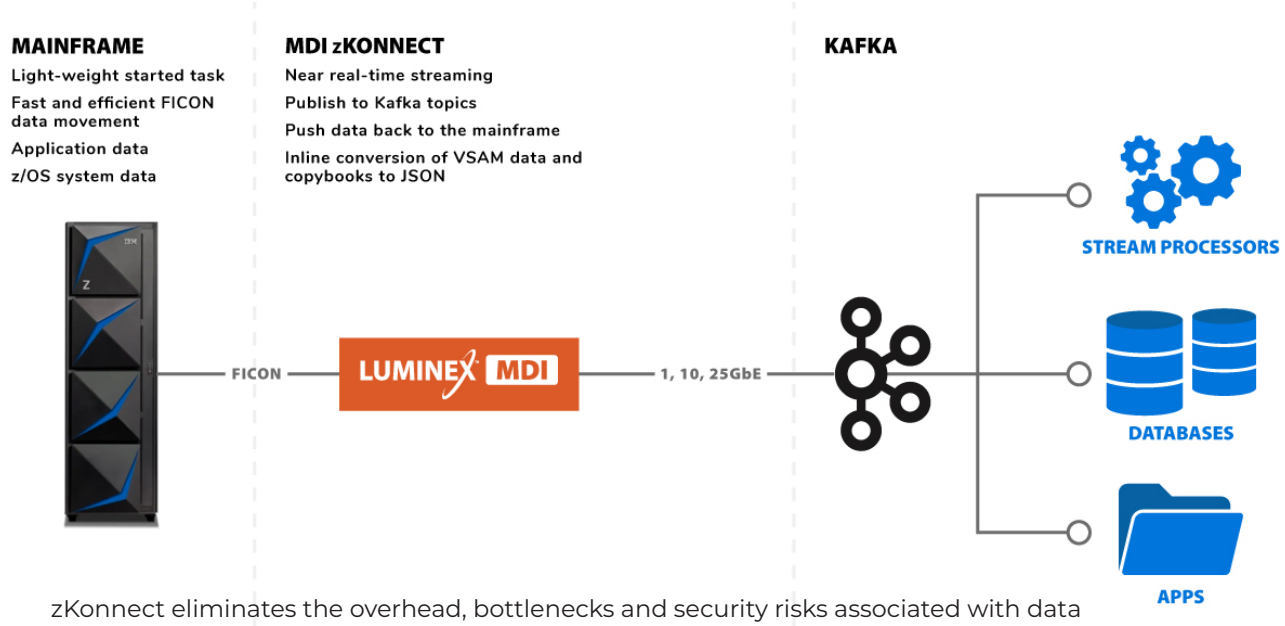
MDI zKonnect uses the same trusted FICON I/O channel as DASD and tape on mainframes to continuously and securely stream data in near real-time, with greater agility and efficiency than mainframe-based TCP/ IP approaches.

Save Time & Costs. Improve Security.

Mainframe-based TCP/IP uses FTP, introducing numerous security risks to both the mainframe and the data being moved. SFTP setup on the mainframe burns MSUs and sends data too slowly for the agile, real-time architecture of Kafka. MDI zKonnect's FICON I/O channel-based approach eliminates these risks and inefficiencies.

Benefits:

- Improve enterprise-wide decision-making
- Quickly adapt to changing data processing needs
- Reduce the burden on mainframe programming and security teams
- Uses 66% less MSUs than FTP and 97% less than SFTP
- Publish mainframe data to Kafka topics at up to 25 GbE per channel
- CPU cycles for encryption and TCP/IP traffic are offloaded to zKonnect up to 3x faster and with up to 97% fewer MSUs.



zKonnect eliminates the overhead, bottlenecks and security risks associated with data movement over mainframe-based TCP/IP, enabling more efficient and agile streaming data pipelines by using FICON.

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Mainframe Data Sources

zKonnect offers multiple mechanisms for publishing z/OS application and system data to Kafka topics:

- LUMXPROC: Send any application or system data to Kafka in batch
- XWRITER: Send output data from any application using the z/OS external writer
- Logstream Receiver: Filter and send any data from system logstreams
- SMF Receiver: Filter and send any records from the SMF logstream

Features:

- FICON-based data movement
- Easy and agile JCL-based publishing
- More secure, efficient and faster than mainframe TCP/IP
- Unmatched reliability and performance for large data sets
- Inline conversion of VSAM data and copybooks to JSON

Use Cases

- Asynchronous Applications (continuously updating application data streamed to users)
- Extract, Transform and Load (ETL)
- Backend Analytics
- Building Core Business Applications
- Application Monitoring
- Recommendation/Decision Engines
- System Monitoring
- Financial Data
- Internet of Things

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

MDI zKonnect 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 XPDS™
- MDI Cloud Data Sharing™
- MDI Big Data Transfer™

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