المصرف الليبي الخارجي
Libyan Foreign Bank

Customer success story:

Strengthening Transactional Integrity: LFB Eliminates Duplicate Risk with Eastnets MDD 5.x

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OVERVIEW

Security, Accuracy, and Operational Resilience

Libyan Foreign Bank (LFB), a leading financial institution in Libya, facilitates domestic and cross-border transactions for businesses and individuals. With growing volumes and increasingly complex messaging environments, the bank needed a more advanced way to detect and prevent duplicate transactions, a critical risk that can cause significant financial loss and reputational damage.

To address this, LFB partnered with Eastnets to upgrade from DDA 4.x to Eastnets Messaging Duplicate Detection 5.x (MDD 5.x), a next-generation solution designed to protect against the costly consequences of duplicate transactions.

THE CHALLENGE

Overcoming Legacy Limitations

On DDA 4.x, LFB's operations and payments teams faced several key challenges:

- Limited visibility into duplicate details, with no message comparison
- No MX partial duplicate detection for ISO 20022
- No 4-Eyes (maker-checker) workflow
- An aging detection engine unable to keep pace with volumes
- No 2FA or granular BIC/Unit/Category user permissions

The goal: a modern, unified, high-performance platform for current and future messaging formats.

THE SOLUTION

Upgrading to MDD 5.x

Eastnets worked closely with LFB to execute a smooth migration from DDA 4.x to Eastnets Messaging Duplicate Detection 5.x. The upgrade delivered:

- Unified Interface: Administration, configuration, duplicate manager, and message details in one place
- Enhanced Duplicate Manager: Search, export, difference highlights, and structured MX views
- MX Partial Duplicates: Dynamic XSD import and field selection, including domestic networks
- 4-Eyes Approval: Maker-checker workflow for critical actions
- Modern User Management: 2FA and granular BIC/Unit/Category permissions
- New Detection Engine: Java-based, averaging 30–70 transaction checks per second
- New ADK & Connectors: Push API, Pull API, and MQ Connector, beyond Alliance Access
- Message Encryption: All stored messages encrypted
- Modern Architecture: Apache Kafka, ZooKeeper, Vault, and new Java services

THE RESULTS

A Transformative Upgrade Across Operations

The upgrade delivered tangible results across LFB's operations:

Faster Investigations: 60% reduction in duplicate investigation time with enhanced comparison, search, and export.

Greater Accuracy: 95% reduction in manual processing errors, with fewer false positives.

Full MX Coverage: 100% coverage of MX message formats, ready for ISO 20022 and multi-format environments.

Stronger Governance: 4-Eyes workflow and 2FA ensure every critical action is authorized and auditable.

Seamless Migration: Zero data loss, with all detection configurations and business logic preserved.

LFB now has a future-proof platform, ready to adopt new connectors, networks, and capabilities such as FileAct and business dashboards.

> Upgrading to Eastnets MDD 5.0 has been a game-changer for our operations. The new interface gives us immediate clarity on flagged duplicates, and the comparison view saves us significant investigation time. With 4-Eyes approval and enhanced security, we have far greater confidence in our payment integrity processes.
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> — Mohamed Jadidi, Libyan Foreign Bank (LFB)

ABOUT EASTNETS

Eastnets is a global provider of compliance and payment solutions for the financial services sector.

Through our experience, expertise, and technology, we enable safe and secure participation in the global financial economy for over 800 financial institutions globally, including 15 of the top 50 banks and 22 of the world's central banks. For more than 40 years, we've worked to keep the world safe and secure from financial crime. We do this by helping our partners manage risk through sanction screening, transaction monitoring, analysis, and reporting, plus industry-leading consultancy and customer support.