

MANUFACTURING / EDI

MODERNIZED

From Legacy to Resilient: AS2 to AS4 Migration Case Study

AS2 TO AS4 MIGRATION

| Legacy transport nearing vendor end-of-support

01 Engagement Overview

A mid-market manufacturer running AS2 for EDI connectivity across its trading partner network faced mounting reliability and compliance pressure as its legacy transport stack approached end-of-support.

- Scope: AS2 connections across all active trading partners, certificate infrastructure, and existing EDI translation mapping
- Approach: Phased migration to AS4 running in parallel with legacy AS2 to avoid disruption to live order flow
- Baseline: Recurring MDN delivery failures and manual reprocessing consuming significant support hours each month

02 Technical Discovery

Assessment of the existing AS2 environment surfaced structural issues that a straight lift-and-shift to AS4 would have carried forward rather than resolved.

- Mechanism: AS2 certificate renewals were handled manually per partner, creating a recurring failure point with no centralized tracking
- Scope: Several trading partners ran outdated AS2 client versions with inconsistent synchronous and asynchronous MDN handling
- Why it mattered: AS4's built-in reliable-messaging standard could eliminate the manual retry logic the team had built to compensate for AS2 gaps

03 Risk & Business Impact

Staying on AS2 was not a security failure, but an operational and cost risk building underneath years of message-delivery workarounds.

- Manual MDN monitoring left order acknowledgment gaps that occasionally delayed downstream fulfillment
- Standards exposure: AS4's ebMS3 foundation aligns more closely with where major retail and logistics trading partners are standardizing B2B connectivity requirements
- The incumbent AS2 gateway platform was approaching end-of-support with no committed roadmap for continued updates, adding vendor risk on top of the operational gaps already present.

04 Remediation & Outcome

The migration moved trading partner connections to AS4 in coordinated batches, closing the manual workaround gaps that had accumulated around the legacy transport.

- Migrated trading partner connections to AS4 in prioritized batches, starting with highest-volume partners
- Automated certificate lifecycle management, replacing manual per-partner renewal tracking
- Replaced manual MDN reprocessing with AS4's native reliable-messaging and retry handling
- Validated each partner cutover against parallel-run reconciliation before decommissioning the legacy AS2 connection