

## AI-Powered EDI Integration: The No-Code Solution for Cloud ERPs

Enterprises relying on Electronic Data Interchange (EDI) face challenges in integrating legacy batch-based transactions with modern, real-time, cloud-based ERP systems. The complexity of converting structured EDI formats (X12, EDIFACT, TRADACOMS, VDA) into JSON for API-based ERP platforms like Oracle NetSuite, SAP Business One, JD Edwards, Acumatica, Oracle Fusion Cloud, Infor, and EPICOR has made integration costly and inefficient.

eIntegrations addresses these challenges with a no-code, AI-powered platform that converts EDI to JSON and vice versa using plain-English commands. With real-time and batch processing, AI-driven mapping, and enterprise-grade security, it removes the need for manual effort and supports digital transformation.

### Challenges

Traditional middleware solutions come with high maintenance costs due to the need for custom coding and ongoing upkeep. Additionally, data structure mismatches pose a challenge, as EDI files are fixed-length and rigid, whereas JSON formats are nested and dynamic. Processing speed is another concern, as batch-based EDI processing is not compatible with modern event-driven ERP architectures, leading to slow processing and limited real-time capabilities. Compliance risks must also be considered, as EDI transactions must adhere to regulations such as SOX, PCI-DSS, HIPAA, GDPR, and various retail trading partner mandates. Furthermore, businesses operate across multiple communication protocols, including SFTP, FTP, AS2, VANs, and APIs, adding complexity to integration efforts. Lastly, ERP API rate limits imposed by cloud-based ERP systems make it difficult to efficiently process bulk EDI transactions.

### Solution Capabilities

No-code EDI to JSON conversion allows EDI transactions to be transformed into JSON with a single command, eliminating the need for complex configurations. AI-driven auto-mapping and transformation further streamline the process by removing manual data mapping through intelligent, AI-based conversions. Hybrid cloud and on-premise integration capabilities ensure support for cloud-to-cloud, cloud-to-on-premise, and multi-cloud architectures, enhancing deployment flexibility. Built-in security and compliance features adhere to SOC 2, HIPAA, PCI-DSS, and GDPR standards, ensuring secure data handling. Efficient API and ERP connectivity is achieved through prebuilt connectors for major ERP systems, including SAP, NetSuite, Oracle Fusion, Infor, JD Edwards, Acumatica, EPICOR, and others. Both real-time and batch processing are supported, enabling high-volume batch operations alongside event-driven real-time transactions. Additionally, end-to-end monitoring and error handling provide real-time transaction tracking, logging, and automated exception management, ensuring operational reliability.

### Key Integration Flows Supported

- **Retail & E-Commerce:** Order-to-Cash (O2C), Inventory Management, Shipping & Fulfillment
- **Shipping & Fulfillment:** Procure-to-Pay (P2P), Production Planning & Warehouse Sync
- **Healthcare & Life Sciences:** Claims Processing, Pharmaceutical Compliance
- **Finance & Banking:** Payment & Reconciliation, Automated Invoice Processing & Reporting

### Business Benefits

- **Ingest:** Securely retrieves EDI files from SFTP, FTP, AS2, or VANs.
- **Optimize Costs:** Reduce the Transform - AI-driven parsing converts EDI X12, EDIFACT, or TRADACOMS into JSON.
- **Map:** Automatically aligns data with ERP, CRM, WMS, or 3PL systems.
- **Process:** Executes batch or real-time transactions via ERP APIs.
- **Monitor & Optimize:** Tracks errors, logs transactions, and ensures compliance.

### How eIntegrations can help?

- **No Middleware, No Complexity:** Eliminates the need for Boomi, MuleSoft, or IBM Sterling.
- **Fastest Time-to-Value:** Set up EDI-to-ERP integration within hours, not weeks.
- **Cost-Efficient:** Reduces manual intervention and IT overhead.



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