# Guide to Integrating EDI for Warehouses with eZCom's Lingo

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In the dynamic world of logistics and supply chain management, integrating an Electronic Data Interchange (EDI) system like eZCom's Lingo into warehouse operations can significantly enhance efficiency and communication. This guide will explore the integration process, focusing on essential warehouse-specific EDI documents, and the robust tools Lingo utilizes for seamless data transfer.

## About Lingo

Trusted by thousands of suppliers worldwide, Lingo is eZCom's award-winning EDI platform designed to simplify and automate your trading partner relationships and help you grow your business. Featuring a robust range of capabilities, Lingo is built and maintained to comply with the internationally recognized EDI file standards, X12 and EDIFACT. With the platform's extensive map library spanning many sectors of the supply chain, Lingo helps brands connect with all of their EDI trading partners and online sales channels with one easy-to-use application.

Additional Lingo features include tiered user permissions, document tags, custom reporting options, batch processing, validation checks to prevent chargebacks, U.S.-based support and training, and, yes, powerful integration capabilities.
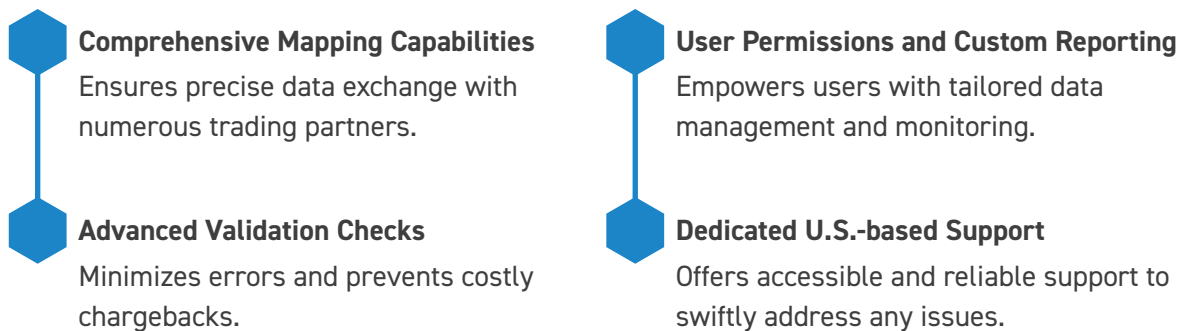
With Lingo, suppliers can seamlessly connect to shipping providers and easily generate and print labels, helping turn a time-consuming requirement into a genuine competitive advantage.

Lingo has consistently been ranked a leading EDI provider, earning multiple accolades for usability, security, setup, integration capabilities and more.
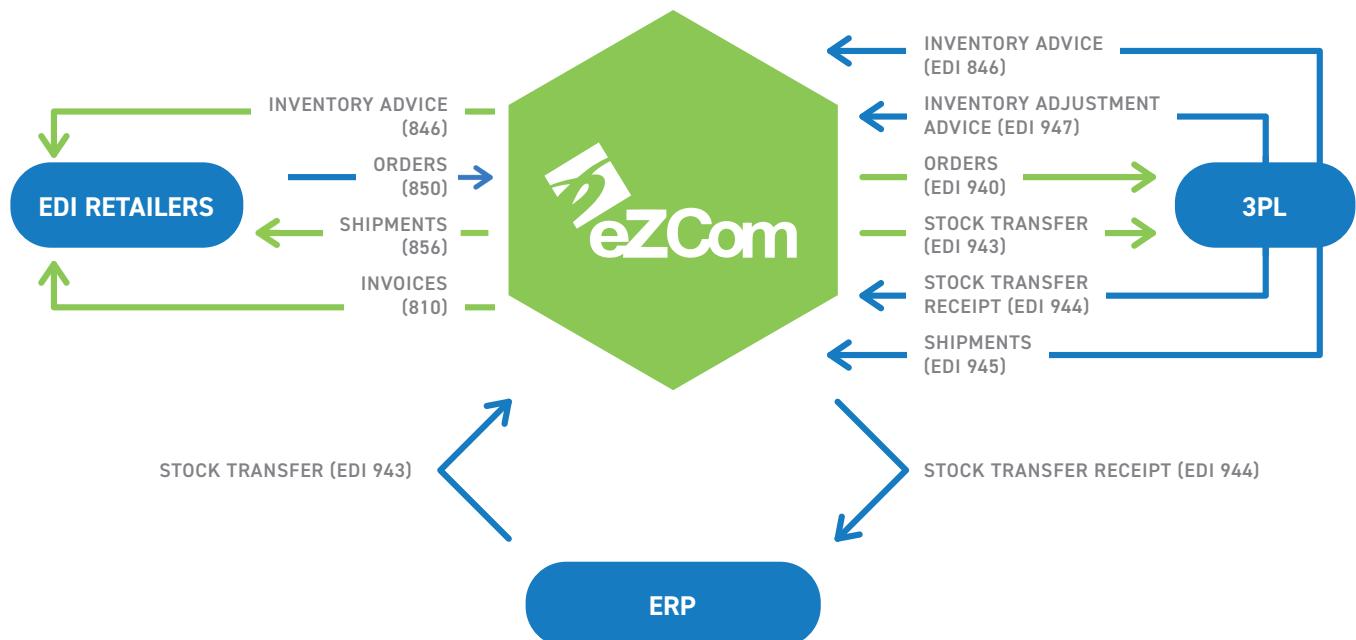
# Understanding EDI Integration

Secure EDI integration enables the automatic exchange of business documents in a standardized electronic format between systems, such as a Warehouse Management System (WMS) and Lingo, eZCom's award-winning EDI platform. Lingo is built to support crucial standards and facilitates integration with a wide array of global trading partners.
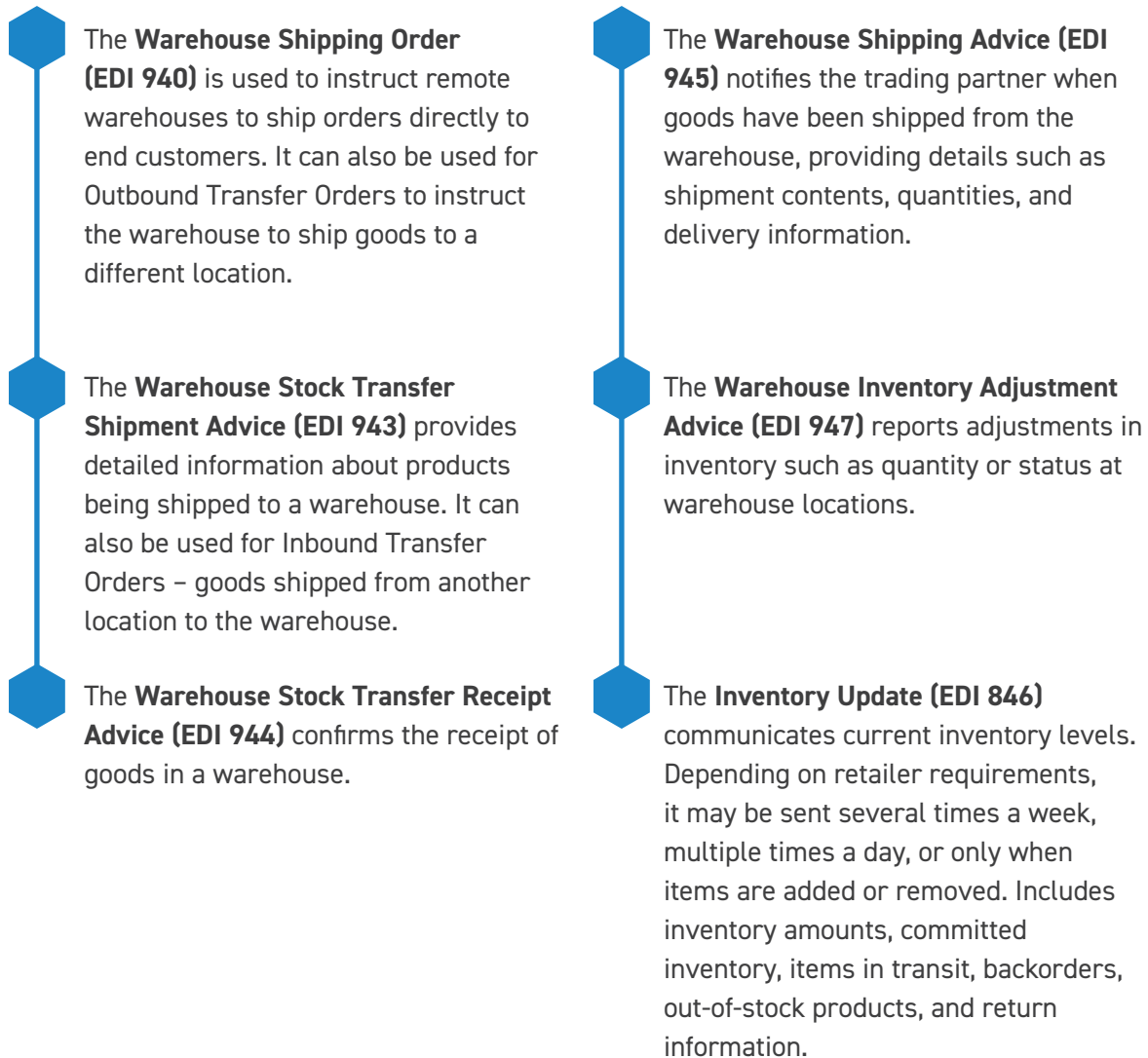
## Key Features of Lingo for Warehouse Integration

**Comprehensive Mapping Capabilities**
Ensures precise data exchange with numerous trading partners.

**User Permissions and Custom Reporting**
Empowers users with tailored data management and monitoring.

**Advanced Validation Checks**
Minimizes errors and prevents costly chargebacks.

**Dedicated U.S.-based Support**
Offers accessible and reliable support to swiftly address any issues.

## EDI Documents Essential for Warehouse Integration



EDI RETAILERS
- INVENTORY ADVICE (846)
- ORDERS (850)
- SHIPMENTS (856)
- INVOICES (810)

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3PL
- INVENTORY ADVICE (EDI 846)
- INVENTORY ADJUSTMENT ADVICE (EDI 947)
- ORDERS (EDI 940)
- STOCK TRANSFER (EDI 943)
- STOCK TRANSFER RECEIPT (EDI 944)
- SHIPMENTS (EDI 945)

STOCK TRANSFER (EDI 943)

STOCK TRANSFER RECEIPT (EDI 944)

ERP

Integration with Lingo enables the automation of critical warehouse-specific documents, which improve efficiency and ensure data accuracy. It's important to note that these documents pertain specifically to EDI connections with a warehouse:

The **Warehouse Shipping Order (EDI 940)** is used to instruct remote warehouses to ship orders directly to end customers. It can also be used for Outbound Transfer Orders to instruct the warehouse to ship goods to a different location.

The **Warehouse Shipping Advice (EDI 945)** notifies the trading partner when goods have been shipped from the warehouse, providing details such as shipment contents, quantities, and delivery information.

The **Warehouse Stock Transfer Shipment Advice (EDI 943)** provides detailed information about products being shipped to a warehouse. It can also be used for Inbound Transfer Orders – goods shipped from another location to the warehouse.

The **Warehouse Inventory Adjustment Advice (EDI 947)** reports adjustments in inventory such as quantity or status at warehouse locations.

The **Warehouse Stock Transfer Receipt Advice (EDI 944)** confirms the receipt of goods in a warehouse.

The **Inventory Update (EDI 846)** communicates current inventory levels. Depending on retailer requirements, it may be sent several times a week, multiple times a day, or only when items are added or removed. Includes inventory amounts, committed inventory, items in transit, backorders, out-of-stock products, and return information.

# Lingo's Data Transfer Tools and Methods

Lingo facilitates data transfer through various reliable, secure methods tailored to operational requirements. The four main categories include:

**1** **LINGO'S RESTFUL API:** This is the primary method for all integrations, supporting real-time data interactions with webhooks. Lingo's RESTful API comes with a sandbox for testing, comprehensive documentation, and expert U.S.-based engineering support.

**2** **FILE-BASED EXCHANGE:** This method supports both custom and standard file formats. Protocols of exchange include:

» **FTP and SFTP:** Ensures secure and reliable data transfers, facilitating seamless information exchange between different servers.

» **Lingo File Connector:** Allows easy uploads and downloads directly from local drives, simplifying the user experience.

» **Dropbox Integration:** Enables straightforward file sharing and storage through the widely used cloud service.

» **Webhooks / Direct HTTPS Calls:** Provides a direct method for real-time data updates and interactions.

**3** **TRADITIONAL EDI:** This method uses standard EDI protocols to automate the exchange of a variety of EDI documents, ensuring compliance with industry standards and seamless integration with partners. Protocols for EDI data exchange include:

» **AS2:** Provides a secure method to transmit EDI data over the Internet.

» **VAN (Value-Added Network):** Facilitates the exchange of EDI information through a secure, hosted network.

» **FTP and SFTP:** Common protocols for data exchange, ensuring data is transferred securely and efficiently.

**4** **CUSTOM INTEGRATIONS** provide direct connections to warehouses' Warehouse Management Systems (WMS) using the WMS' own API. These integrations are tailored specifically to meet the unique needs of each warehouse, ensuring that data flows efficiently between systems.

# Benefits of Integrating Lingo to Warehouse Operations

There are five primary benefits to integrating Lingo to warehouse operations:

### CUSTOM SOLUTIONS

Lingo offers elegant integration solutions based on a consultative approach, ensuring that each integration meets the specific warehouse needs.

### SECURITY

Lingo adheres to industry security practices, ensuring data security and reliability.

### SCALABILITY

The system is designed to grow with your business, accommodating new trading partners and expanding operational channels.

### VISIBILITY AND CONTROL

Throughout the integration process, Lingo ensures transparency, allowing users to maintain full oversight and control.

### SUPPORT AND ACCOUNTABILITY

eZCom provides ongoing support and maintains high accountability in all projects, ensuring reliability and peace of mind.

### TRUE AUTOMATION

Lingo's integrations are designed to automate processes fully, significantly reducing the need for manual intervention and saving time.

# Bottom LIne

Integrating Lingo into your warehouse management system not only simplifies data exchange but also transforms operational communications, efficiency and data security. By leveraging Lingo's extensive capabilities and customizable integration options, warehouses can achieve unparalleled accuracy and productivity, ensuring they stay ahead in the competitive logistics and supply chain industry.

# About eZCom Software

eZCom Software provides broad and deep experience within the EDI and eCommerce marketplace with nearly 20 years of designing smart and compliant EDI and Drop Ship applications for the supply chain. eZCom is an EDI provider for many large and well-known retailers including department, specialty, luxury, convenience and big box stores globally -- for their in store, online and drop ship programs.

The Lingo Technology Platform connects with all your trading partners and integrates your ERP/business systems, marketplaces and shipping platforms.

eZCom's in-house, US-based integration, development and support teams are available on-demand to help brands turn EDI and order processing from a time-consuming requirement into a genuine competitive advantage.

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