Materialogic EDI Capabilities

Capabilities Overview

Materialogic supports a variety of integration options with our customers using EDI – Electronic Data Interchange – one of the tech industry's oldest and most well established formats for the exchange of business data.

All of Materialogic's EDI integrations involve bidirectional data flow, and all supported documents may either be originated by Materialogic, or by our customer / trading partner.
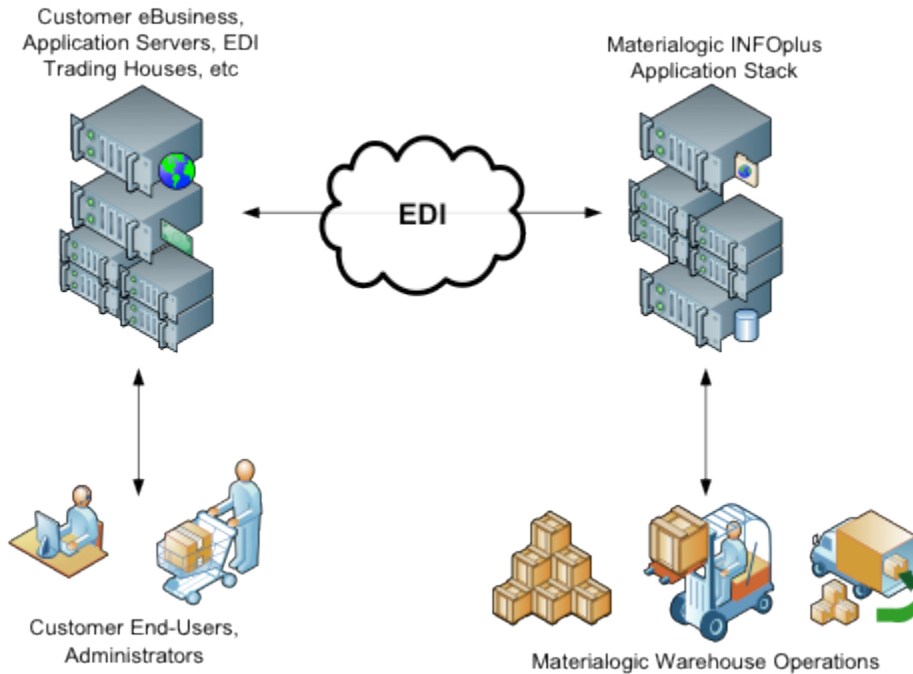

Figure 1 - Example of data flow paths utilizing Materialogic EDI Integrations.

Materialogic's customer's end users interact with their own organization's applications. From these systems, data flows in the form of EDI documents into Materialogic's application stack and INFOplus software. Once there, these data will drive Materialogic Warehouse Operations. Various activities performed in the Materialogic systems will trigger response documents to flow across the channel back to the Customer's EDI systems, to be visible by the customer's end users.

Supported Documents

At the present time, Materialogic support the following EDI documents/transactions:

- 832 – Price/Sales Catalog
- 846 – Inventory Inquiry/Advice
- 850 – Purchase Order
- 855 – Purchase Order Acknowledgement
- 860 – Purchase Order Change

- 865 – Purchase Order Change Acknowledgement
- 856 – Ship Notice/Manifest
- 870 – Order Status Report
- 997 – Functional Acknowledgement

As stated above, each of these transactions are supported both with Materialogic as the originator, or with Materialogic's customer/partner as the originator, depending on the details of the integration.

Communication Protocols

Materialogic's preferred communication protocol for EDI transfers is AS2 over HTTPS. This enables both Materialogic and the partner to digitally secure and verify all transactions, while streamlining processes by trading documents online directly between the involved parties trading partners.

Alternatively, Materialogic supports both sending and receiving EDI documents over SFTP and FTP, with SFTP being preferred between these two options, due to its secure nature.

Document Formats

Materialogic's preferred EDI format standard is ANSI ASC X12, version 4, release 1. The Materialogic development team is also experienced in accepting custom XML formats which emulate X12 standards.

Extensibility

While Materialogic's stated preferences and default capabilities for EDI integrations are outlined in this document, these capabilities may be extended in any area (Document set, Communication Protocol, or Document Format), as negotiated with each individual customer.