



Digital Transformation: Supply Chain & Ecommerce



Overview

Aidant's DI.Platform positioning within an Ecommerce and SCM data integration.

The document focuses on SAP & Hybris integration with B2C and B2B scenarios. The solution delivered uses Aidant's propriety DI.Platform built with, and on top, of Microsoft platforms.

Scenarios covered

- Business-to-Customer (Ecommerce)
- Business-to-Business (EDI and other structured formats)

"When your value proposition differentiates from your competition, why implement standard, "off-the-shelf" software to integrate data?"

Make Data Integration your unfair competitive advantage using Aidant's DI.Platform"

*- Roy Carnes
VP, Business Development
Aidant Technologies*

Project Requirements

Please note the EDI and IDOC transactions listed below were the most relevant transactions and core requirements. Aidant was tasked to include more transactions such as financial advice to/from banks and transportation shipment status via web services (major US carrier).

Aidant's DI.Platform is capable of handling all standard and non-standard data and transaction types through configuration in the data dictionary.

| | | | |
|-------------------------|---|--------------------------------------|---|
| Product Updates | <ul style="list-style-type: none"> • Streamlined Product Information Management (PIM) by using Product Content Management (PCM) to consolidate the master data in one place | SAP and Hybris Integration | <p><u>Hybris Data Hub to/from SAP</u></p> <ul style="list-style-type: none"> • Sales Order Creation - Hybris to SAP • Order Response – SAP to Hybris • Shipment Confirmations – SAP to Hybris • Order Status – Hybris to SAP ; SAP to Hybris • Inventory Status – Hybris to SAP ; SAP to Hybris • Invoice – SAP to Hybris |
| SKU Pricing | <ul style="list-style-type: none"> • Pricing Data Management and Integration required from SAP – system of record to the Ecommerce Platform hosted with Hybris | Trading Partner Integration with SAP | <p><u>X12 EDI/Trading Partners to/from SAP</u></p> <ul style="list-style-type: none"> • Sales Order Creation – Inbound EDI 850 • Order Response – Outbound EDI 855 • Shipment Confirmations – Outbound EDI 856 ASN • Invoice – Outbound EDI 810 |
| SKU Updates | <ul style="list-style-type: none"> • Resolved by extracting data from the PCM system to SAP; integrating that data feed to Hybris | WMS Integration with SAP | <p><u>SAP to WMS (3PL) using X12 Standards</u></p> <ul style="list-style-type: none"> • Warehouse Shipping Order - Outbound SAP to 3PL via EDI 940 • Warehouse Shipping Advice – Inbound 3PL to SAP via EDI 945 |
| Document Reconciliation | <ul style="list-style-type: none"> • Real-time acknowledgements to all systems and parties | Transaction Tracking and Tracing | <ul style="list-style-type: none"> • For business and technical teams |
| Notification Services | <ul style="list-style-type: none"> • Proactive alerts of service outages • Bad data reports • Trigger business rules | | |

| Aidant Solutions | Deliverable |
|--|---|
| Implement DI.Platform | <ul style="list-style-type: none"> • Out-of-the-box data handling functionality provided by DI.Platform including 3rd party resolution, data validation, acknowledgements, data routing, map execution engine • Create a centralized view of all data within the DI.Platform, including 3PL, B2B Partners and Hybris Data Hub |
| Implement SAP Adapter | <ul style="list-style-type: none"> • Built with SAP .NET provider library available from SAP Marketplace |
| Create Direct Integration Layer | <ul style="list-style-type: none"> • Asynchronous IDOC to/from SAP • Synchronous RFC and BAPI integration to/from SAP |
| Data Translation/Mapping | <ul style="list-style-type: none"> • Transforms data to/from SAP and Hybris (IDOC, CSV, XML) • Transforms data to/from SAP to support EDI and 3PL integrations |
| Deliver Full Stack Microsoft BizTalk Server Implementation | <ul style="list-style-type: none"> • Handles all communications protocols (SAP, Web Services, AS2, SFTP) • Hosts maps and orchestrations to support design patterns governed by DI.Platform • Consolidation - minimizing hardware and licensing costs |
| Import Message Types | <ul style="list-style-type: none"> • Import all IDOC, BAPI, RFC and Hybris Data Hub message types into DI.Platform data dictionary |
| Manage Life Cycle Transactions | <ul style="list-style-type: none"> • Data visibility, tracking of transactions and life cycle management of every transaction via DI.Portal |
| Implement Notification Services | <ul style="list-style-type: none"> • Allow users to self-subscribe and manage any type of alerts (email, text, etc) via DI.Platform |
| Create Structured Data Warehouse | <ul style="list-style-type: none"> • Enabled analytics of all data flowing through systems integrated in DI.Platform |

The Outcomes

- Streamlined Product Information Management (**PIM**) by using Product Content Management (**PCM**) to consolidate master data.
- Achieved complete **Pricing & Data Management** integration. All B2C & B2B pricing and **SKU management** was simplified and made available by integrating the systems of record (ERP/LOB) with the PIM/POS systems.
- **Order to Cash Management** drove revenue cycle efficiencies. Standardized integration patterns and self-service options enabled fast introduction of new revenue sources to the market quickly while enabling higher margins for existing revenue-generating data streams.
- **Order Tracking and Tracing** was baked into the enterprise architecture to support non-technical users and customers enabling on-demand updates.
- **Intelligent notification** layer was made available for internal technical & business users as well as external partners & customers (rule-driven alerts on configured events). Leveraged all the modern-day communications methods (emails, text, instant messengers, portal update etc.).
- **On-boarding of trading partners** and new processes, deployments and changes to existing production systems were **streamlined** and simplified.
- **B2C and B2B integrations** were made possible with greater visibility.
- **Operational expenses and IT Team dependency was minimized** providing high visibility and pro-active notification services were extended to all CSR's and business users.
- Discovered other **silos'd processes** and **consolidated** to DI.platform.
- **Empowered business teams.**

Key project benefits

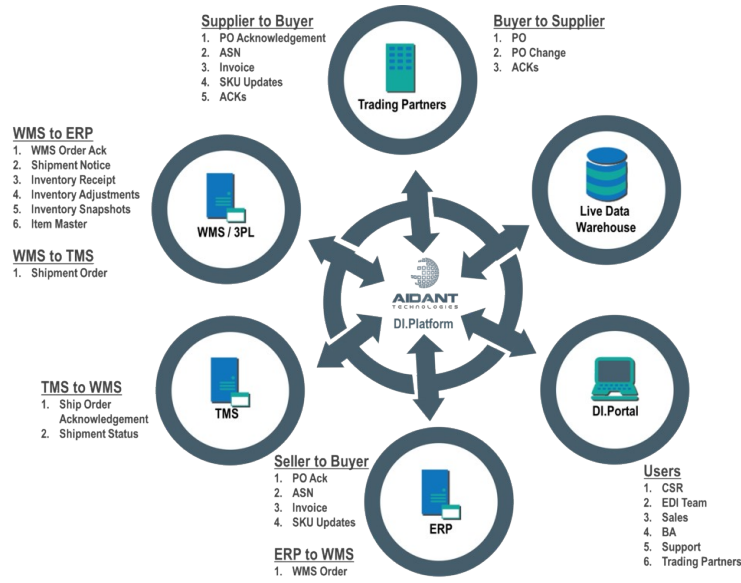
System uptime increased to over

98%

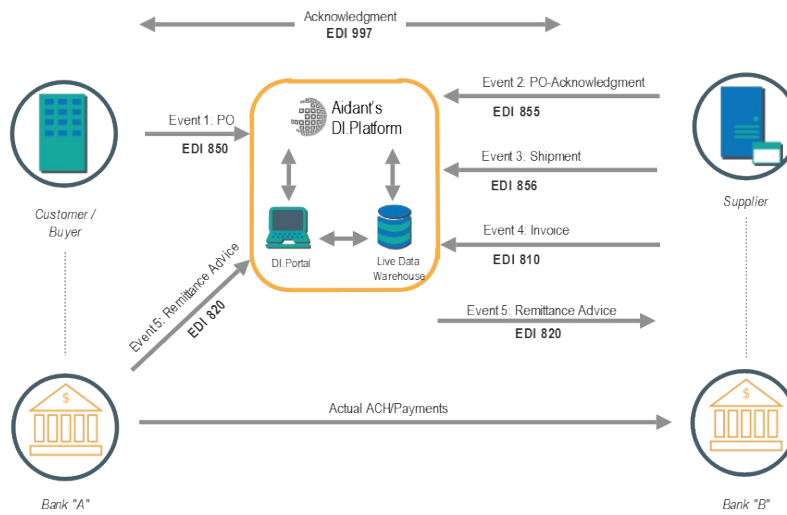
IT Support tickets decreased by

70%

Aidant's DI.Platform Positioning in a B2B scenario



Typical Flow of Transactions: Order-to-Cash Scenario



Integrations. Empowered.

www.Aidant-Tech.com

About Aidant

By leveraging our proprietary DI.Platform, we customize and support cloud, hybrid, and on premise all forms of business data integrations to make your business run more smoothly; all the while balancing business goals, security, and budget. Aidant supports out-of-the-box integrations with line-of business systems like SAP, Oracle, JD Edwards, PeopleSoft, Lawson, MS Dynamics and many others.



Contact us today.

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