

Innovative EDI solution for SAP Business ByDesign



B4B Solutions offers an EDI connector that links SAP Business ByDesign with the ecosio.MessagingHub and enables complete ERPEL integration, allowing cloud-based EDI with maximum comfort. ecosio takes care of the complete set up of EDI connections, administration, and monitoring.

B4B Solutions GmbH is a born in the cloud SAP Platinum Partner. The digital expert's portfolio includes cloud-based software solutions in the areas of Enterprise Resource Planning (SAP Business ByDesign), Customer Engagement and Commerce (SAP Hybris) and Social Collaboration (SAP Jam). B4B's offering is rounded out with an in-house development department focused on client-specific add-on solutions.

B4B Solutions GmbH's range of products now includes a further innovation: the EDI connector for SAP Business ByDesign, developed by B4B developers and ecosio, an EDI managed service provider. The new EDI connector directly links the cloud-based ERP system with the ERPEL interface and the ecosio.MessagingHub, enabling deep and seamless integration of the EDI functionality in SAP Business ByDesign's user interface and ensuring maximum usability. The EDI connector can be used for all SAP Business ByDesign installations to make them 100 percent EDI capable.

order to fulfill industry-standard EDI requirements using SAP Business ByDesign, companies therefore invest in expensive adaptations made by SAP customizers or EDI service providers. "EDI is so varied that it isn't necessarily useful for manufacturers to cover all possibilities and eventualities in their ERP systems. That's why there are specialists like ecosio," continues Krenn.

"B4B Solutions is a competent customizer for SAP Business ByDesign. Their newly developed EDI connector uses the ERPEL API's seamless integration to link with the ecosio.MessagingHub, making SAP Business ByDesign users 100 percent EDI capable."

Marco Zapletal, Managing Director, ecosio GmbH

EDI directly from the ERP system

Cloud-based ERP solutions like SAP Business ByDesign manage everyday tasks quickly and efficiently, regardless of location. However, cloud-based solutions don't always allow for predefined functionalities to fulfill all requirements. This drawback, coupled with their desire to offer clients a comprehensive and functional product, motivated B4B to consider integrating an innovative EDI functionality. Their aim was to optimize data exchange and increase customer satisfaction. When a client request spurred B4B to tackle the challenge of finding an EDI solution for all SAP Business ByDesign products and clients, a partner recommended ecosio to Georg Krenn, Head of Development at B4B Solutions.

"Integrating EDI in ERP systems is essential in order to ensure proper and efficient management of business processes," explains Georg Krenn. SAP Business ByDesign provides extensive interfaces for data export and import, but their suitability in EDI contexts is limited, both from technical and content perspectives. In

Full service EDI partnership

In terms of technical requirements, SAP Business ByDesign's mostly medium-sized business users were most interested in the complete process mapping of commercial documents (ordering, order confirmation, delivery notices, invoices). Other priorities included integrating EDI processes for third party logistics (3PL), ensuring the EDI solution could expand slightly to include new document types, and implementation that worked in spite of regional differences (formats, standards, etc.).

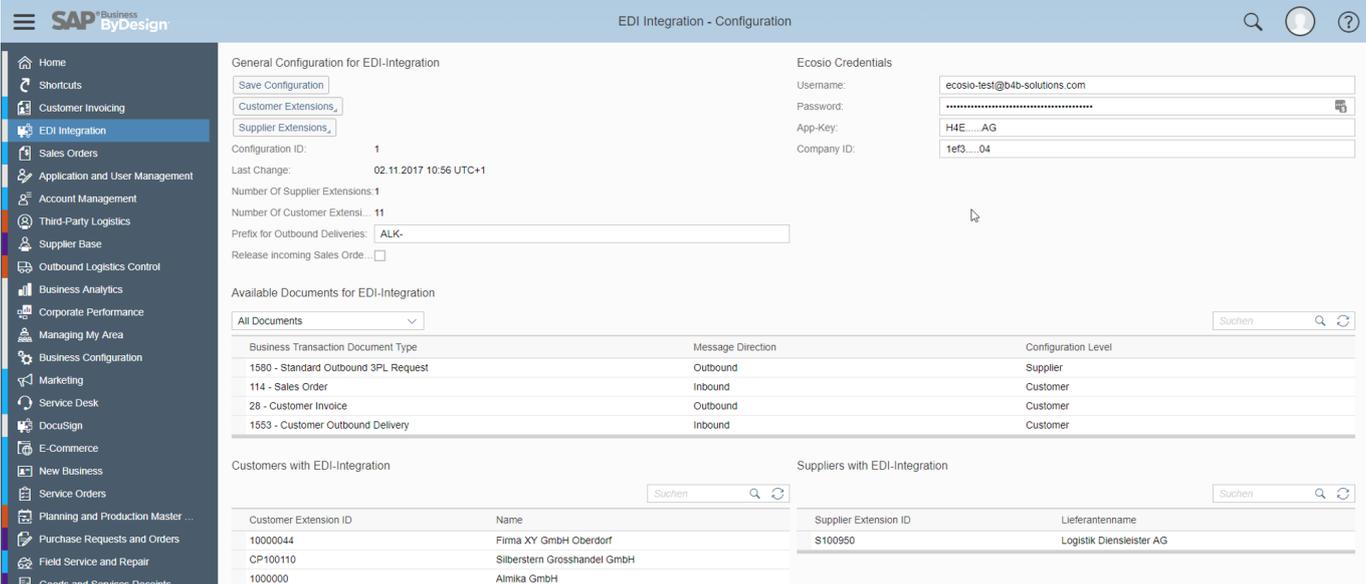
In addition to developing a technical solution for SAP Business ByDesign users that linked two business partners and their ERP systems, the project aimed to provide clients with a partner to implement the transition and roll out of EDI processes with numerous business partners. ecosio manages the establishment of EDI connections, administration, and central monitoring. B4B provides the necessary software package – coupled with ecosio's managed

EDI services – to all SAP Business ByDesign users and customizers, and not much individualization is required.

Thanks to excellent cooperation between ecosio and B4B Solutions, this ambitious undertaking was completed quickly. Christoph Ebm, Managing Director at ecosio, was especially impressed by the team-based approach and dependability of both dynamic teams, who played a significant role in ensuring the project's success. Another testament to ecosio and B4B's excellent cooperation can be seen in the solution's implementation: B4B Solutions manages integration, while ecosio handles EDI connections.

“Right from our first meeting, cooperation with ecosio was effective and uncomplicated, and communication with clients went smoothly. Even when partner requirements are unusual, clients can depend on ecosio.”

Georg Krenn, Head of Development, B4B Solutions GmbH



The screenshot shows the SAP Business ByDesign interface for EDI Integration - Configuration. The left sidebar contains a navigation menu with options like Home, Shortcuts, Customer Invoicing, EDI Integration, Sales Orders, Application and User Management, Account Management, Third-Party Logistics, Supplier Base, Outbound Logistics Control, Business Analytics, Corporate Performance, Managing My Area, Business Configuration, Marketing, Service Desk, DocuSign, E-Commerce, New Business, Service Orders, Planning and Production Master, Purchase Requests and Orders, Field Service and Repair, and Goods and Services Records.

The main content area is titled "EDI Integration - Configuration" and includes the following sections:

- General Configuration for EDI-Integration:** Includes buttons for "Save Configuration", "Customer Extensions", and "Supplier Extensions". It displays Configuration ID: 1, Last Change: 02.11.2017 10:56 UTC+1, Number Of Supplier Extensions: 1, and Number Of Customer Extensi...: 11. There is a text input field for "Prefix for Outbound Deliveries" containing "ALK-" and a checkbox for "Release incoming Sales Orde...".
- Ecosio Credentials:** Includes fields for Username (ecosio-test@b4b-solutions.com), Password (masked), App-Key (H4E...AG), and Company ID (1ef3...04).
- Available Documents for EDI-Integration:** A table with columns: Business Transaction Document Type, Message Direction, and Configuration Level.

Business Transaction Document Type	Message Direction	Configuration Level
1580 - Standard Outbound 3PL Request	Outbound	Supplier
114 - Sales Order	Inbound	Customer
28 - Customer Invoice	Outbound	Customer
1553 - Customer Outbound Delivery	Inbound	Customer
- Customers with EDI-Integration:** A table with columns: Customer Extension ID, Name, and Lieferantennamen.

Customer Extension ID	Name	Lieferantennamen
10000044	Firma XY GmbH Oberdorf	
CP100110	Silberstern Grosshandel GmbH	
1000000	Almika GmbH	
- Suppliers with EDI-Integration:** A table with columns: Supplier Extension ID and Lieferantennamen.

Supplier Extension ID	Lieferantennamen
S100950	Logistik Dienstleister AG

ecosio EDI configurations in Business by Design

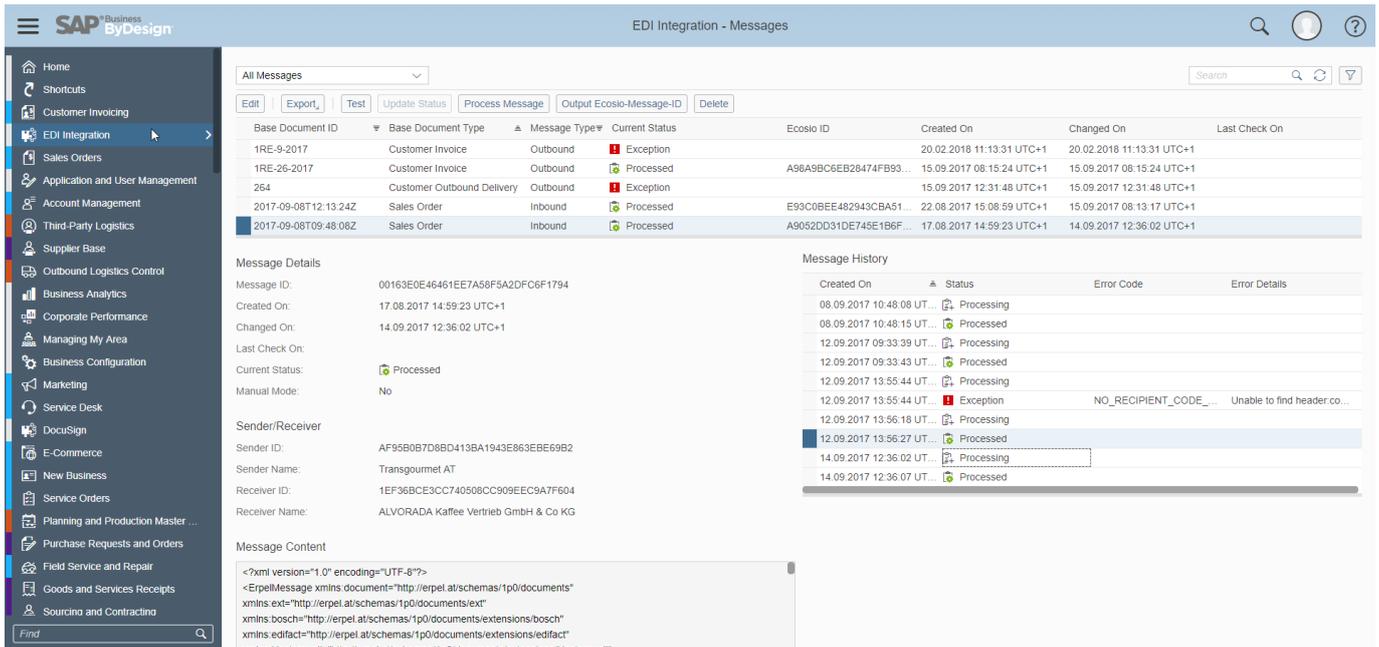
ecosio.ERPEL for SAP Business ByDesign

ecosio had the perfect solution for simple and flexible EDI integration: ecosio.ERPEL. Currently ecosio's leading EDI innovation, ecosio.ERPEL makes it possible to connect ERP systems using direct integration, a standardized transmission channel, and a unified document format. The EDI connector enables the ERPEL-API to be seamlessly integrated in the SAP Business ByDesign user interface, which allows for connection to the ecosio.MessagingHub. In this way, all EDI requirements can be fulfilled and all business partners reached. The ability to receive, edit, and send messages directly in the SAP BusinessByDesign UI offers maximum usability

and comfort. Messages are converted to the desired target format at the ecosio.MessagingHub and then delivered to the recipient – or the other way around.

ecosio.ERPEL supports all communication protocols (X.400, AS2, OFTP2, SFTP, PEPPOL etc.) and document formats (EDIFACT, VDA, CSV, ebInterface, ZUGFeRD – inbound and outbound, UBL, various other XML dialects, FlatText etc.). The deep integration of EDI functions in the cloud-based ERP system's user interface allows for seamless monitoring of all EDI messages, even without leaving the familiar UI. Additionally, ecosio provides 24/7 message exchange monitoring.

100% EDI capability with ecosio.ERPEL and B4B's EDI connector



The screenshot shows the SAP Business ByDesign interface for EDI Integration - Messages. It features a navigation menu on the left with options like Home, Shortcuts, Customer Invoicing, EDI Integration, Sales Orders, and more. The main area displays a table of messages with columns for Base Document ID, Base Document Type, Message Type, Current Status, Ecosio ID, Created On, Changed On, and Last Check On. Below the table, there are sections for Message Details (Message ID, Created On, Sender/Receiver information) and Message History (Created On, Status, Error Code, Error Details). The Message Content section shows XML data.

The workcenter view shows details of the selected message as well as its sender and recipient.

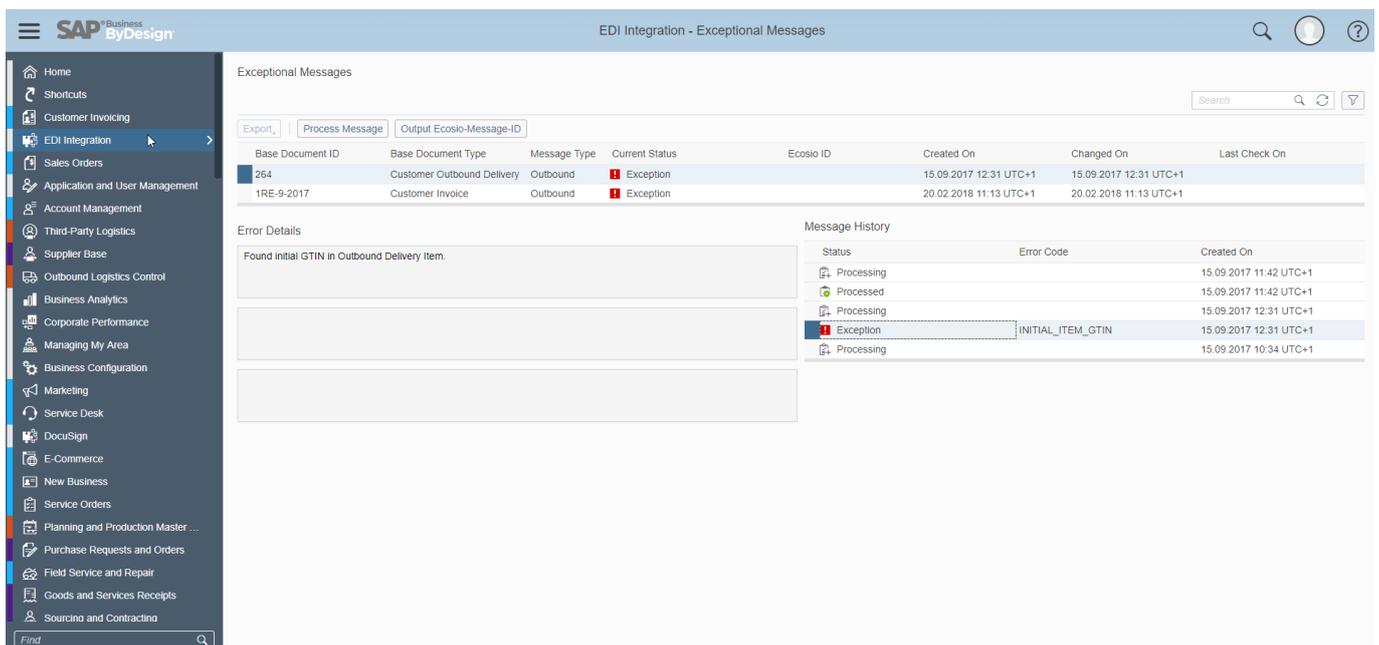
Satisfied clients, successful partners

Georg Krenn is convinced: "With ecosio.ERPEL, we found a technically impeccable, cost-efficient solution that enables EDI communication without major programming efforts." Expensive adaptations and programming services are no longer needed. ecosio's professional support throughout implementation and introduction of EDI communication is a further advantage, because many clients have neither the resources nor the know-how to manage this transition on their own. In the long term, EDI economizes resources for information processing by enabling client communication directly from the ERP system.

Since integrating the ERPEL interface in SAP Business ByDesign, B4B Solutions and ecosio have successfully implemented projects for numerous clients, including companies in trade and production industries, such as spray paint specialist Peter Kwasny GmbH, Stedy Gwurz AG in Switzerland, and the Austrian coffee roaster ALVORADA Kaffee Vertrieb GmbH & Co KG.

"After several EDI projects I can say with certainty that ecosio is the right EDI partner for our mid-sized clients. Their team, know-how, and technical solution won me over."

Georg Krenn, Head of Development, B4B Solutions GmbH



The screenshot shows the SAP Business ByDesign interface for EDI Integration - Exceptional Messages. It features a navigation menu on the left. The main area displays a table of exceptional messages with columns for Base Document ID, Base Document Type, Message Type, Current Status, Ecosio ID, Created On, Changed On, and Last Check On. Below the table, there are sections for Error Details (Found initial GTIN in Outbound Delivery Item.) and Message History (Status, Error Code, Created On).

Filtered presentation of all messages in the „exceptional state“.

SAP's cloud-based ERP System Business ByDesign, coupled with ecosio.ERPEL and B4B's EDI connector, make you 100% EDI capable

"ecosio is not only technically adept but also versed in project management. When it comes to EDI projects, it's important for us to be able to rely on experienced partners to ensure that we can successfully implement projects for SAP Business ByDesign clients."

Georg Krenn, Head of Development, B4B Solutions GmbH

Requirements

- » Flexible and reliable EDI integration for all SAP Business ByDesign installations
- » Processing of diverse EDI formats and significant regional differences, i.e. North America / Europe
- » Processing of EDI partner-specific document formats in the 3rd party logistics segment
- » Client specific requirements for EDI with SAP Business ByDesign:
 - › Standard EDIFACT documents for European trade
 - › ANSI X12 processing for messages from North America
 - › Partner-specific master data extensions in SAP Business ByDesign

Advantages of ecosio partnership

- » EDI experts with tailor-made solutions
- » Highest standards and quality of service
- » One contact partner – one EDI partner – one interface
- » Trouble-free partner connection – from initial approach to monitoring
- » ERPEL is integrated as a native feature in SAP Business ByDesign
- » Innovative add-on for maximum client benefit
- » Interface with a simple connection to the MessagingHub by way of the connector

Technical details for ecosio.ERPEL

- » Support for all partner communication protocols (X.400, AS2, OFTP2, SFTP etc.)
- » Support for all partner document formats (EDIFACT, VDA, CSV, ebInterface, ZUGFeRD – inbound and outbound, UBL, diverse other XML dialects, FlatText etc.)
- » Support for specific requirements, such as digital signatures
- » ecosio's proven end to end EDI communication monitoring directly in SAP Business ByDesign's standard UI
- » Use of ecosio infrastructure for document transformation and forwarding
- » Exchange (sending/receiving) of price catalogues (both partial and complete catalogue data)

Technical details for the EDI connector for SAP Business ByDesign + ecosio.ERPEL

- » Deep integration of EDI functionality in the cloud-based ERP system
- » Sending, receiving, and monitoring of all EDI messages in SAP Business ByDesign's UI
- » Users remain in their familiar software environment
- » Fast and simple integration by B4B Solutions
- » ecosio's managed EDI services

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