

SAP Business ByDesign is EDI ready



all4cloud GmbH & Co. KG, headquartered in Viernheim, Germany, is a 100% cloud company. As a specialist for SAP Business ByDesign, SAP's leading cloud ERP solution, all4cloud supports over 40 middle-sized German enterprises. all4cloud is both a Gold Partner and a Solution Reseller for SAP Business ByDesign, and has been a successful SAP cloud partner since its launch on the market. As a partner, all4cloud has gained extensive experience in the development of additional functions and add-ons for SAP Business ByDesign, including eam4cloud.

The cloud-based ERP System SAP Business ByDesign allows middle-sized enterprises and subsidiaries of larger companies to manage their businesses efficiently, whether in the office or out and about, nationally or internationally. However, the standard installation does not enable EDI integration. Up until now, all4cloud has had to develop custom interfaces between each client and their EDI partners in order to make clients EDI ready.

Ulrich Hoffmann, all4cloud's Head of Consulting, contacted ecosio GmbH in search of a more efficient solution.



„ecosio's expertise with managed EDI services made it easy for us to choose them as our partner for EDI integration.“

Ulrich Hoffmann, Head of Consulting, all4cloud

EDI directly from the cloud-based ERP system

“Our goal was to offer simple, easy, and fast EDI for SAP Business ByDesign. Online research pointed us toward several EDI integrators, most of whom had been in the business for quite some time, and whose underlying systems seemed slightly outdated. ecosio was the first provider that immediately said they could work with web services – from our ERP, for example.”, remembers Ulrich Hoffmann, Head of Consulting at all4cloud. The groundwork for an innovative partnership had been laid.

Rechnung: 1RE-17-2016

Status: Freigegeben	Kunde: Silberstern Grosshandel GmbH	Rechnungsdatum: 18.10.2016	Summe: 59,50 EUR
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Allgemein Status: Freigegeben Rechnungsdatum: 18.10.2016 Rechnungsabteilung: Vertrieb Heizungen Verkäufer: Almika GmbH Währung: EUR - Euro Externe Referenz: 1RE-17-2016 Spätregel: Submit electronic invoice: <input type="button" value="Edit"/> EDI Status: Gesendet		Regulierer Name: Silberstern Grosshandel Gm Adresse: Konrad-Wolf-Strasse 14 13055 Berlin Deutschland Zahlung Zahlungsbedingungen: 20 Tage netto Zahlweg: Fälligkeitsdatum: 07.11.2016	
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The traditional integration of EDI functionality in an ERP system can take place using various protocols, including AS2, X.400, SFTP/FTPS, HTTPS, OFTP2, PEPPOL, SMTP or a RESTful API.

“But for a cloud ERP system like SAP Business ByDesign, web services/ APIs have to be used instead,” explains Marco Zapletal, Managing Director at ecosio.

ecosio is an all-around provider of EDI services dedicated to smartly networking twenty-first century companies. ecosio enables enterprises of all sizes to continually optimize their business processes and prepares them for Industry 4.0 and flexible supply chain management. ecosio's products grow along with client needs while remaining user-friendly, cutting edge, and cost-efficient. ecosio's team looks back on many years of experience with EDI, and continues to take on leading roles in national and international standardization projects, including ebInterface, UN/CEFACT, and others.

„Connecting to ecosio.ERPEL with REST-API was the perfect choice for integrating EDI in SAP Business ByDesign. We're pleased that what will surely be a long-term cooperation with all4cloud will offer a solid EDI integration solution to all users of SAP Business ByDesign.“

Christoph Ebm, Managing Director, ecosio GmbH

Cloud ERP specialist all4cloud integrates ecosio.ERPEL for clients

Tailor-made solutions

Since all4cloud already had a customer request for EDI with SAP Business ByDesign, EDI integration had to happen quickly. In addition to time pressure, special technical requirements for integration in a cloud ERP system were taken into consideration.

Connecting client EDI partners was another challenge. Ulrich Hoffmann explains: "Our client is a service provider, and therefore not your typical EDI user. Their client, who uses EDI intensively with suppliers (which has an impact on the type of EDI interface required), approached their service provider with the suggestion to use EDI." As a first step on this project, ecosio clarified which data the EDI recipient expected to receive and how it needed to be built into the SAP Business ByDesign system in order to be sent via EDI. Of the cooperation with all4cloud, Marco Zapletal says: "all4cloud was an excellent partner in the process of configuring this project's tricky requirements, providing us with all the information and contacts needed to meet our ambitious deadline."

SAP Business ByDesign speaks ERPEL

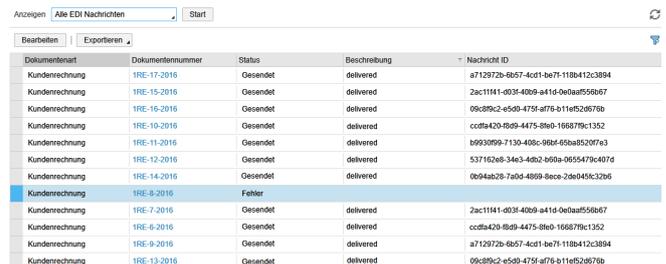
„Direct integration in the ERP system using API makes ecosio.ERPEL the ideal solution for cloud-based ERP systems. Our partner all4cloud is a trailblazer for SAP Business ByDesign.“

Marco Zapletal, Managing Director, ecosio GmbH

ERPEL (ERP Exchange Language) is ecosio's leading EDI innovation. ERPEL makes it possible to connect ERP systems via direct integration, a single standardized transmission channel, and a unified document format. In order to integrate the ecosio.ERPEL functionality in an ERP system such as SAP Business ByDesign, ecosio developed a modern REST-API that allows ecosio.ERPEL's complete scope of functions to be seamlessly integrated in the ERP system's user interface.

Using ecosio.ERPEL makes every ERP system capable of exchanging messages in all formats and common protocols directly from its own system. Converting and delivery of messages to business partners takes place at the ecosio.MessagingHub, ensuring comple-

te control of the electronic data interchange. ecosio and all4cloud have recently developed an add-on to SAP Business ByDesign that not only integrates the entire EDI process with delivery confirmation and redelivery in the case of error, but also presents this information in SAP Business ByDesign's standard user interface. ERPEL is the solution of the future, minimizing every synchronization effort, and suitable for every company.



Dokumententyp	Dokumentennummer	Status	Beschreibung	Nachricht ID
Kundenrechnung	1RE-17-2016	Gesendet	delivered	a712972b-6b57-4cd1-b671-118a412c3894
Kundenrechnung	1RE-15-2016	Gesendet	delivered	2ac1141-d03f-4069-4416-0e0aa555b667
Kundenrechnung	1RE-16-2016	Gesendet	delivered	09c89c2-e5d0-475f-af76-b11e526876b
Kundenrechnung	1RE-10-2016	Gesendet	delivered	codfa420-8b09-4475-8b60-1668799c1352
Kundenrechnung	1RE-11-2016	Gesendet	delivered	b993099-7130-400c-998f-55a5a5200f3
Kundenrechnung	1RE-12-2016	Gesendet	delivered	537162e8-3463-4d82-e60a-0655479c407d
Kundenrechnung	1RE-14-2016	Gesendet	delivered	0b94ab28-7a05-4899-8acc-29e0403c3266
Kundenrechnung	1RE-8-2016	Fehler		
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Kundenrechnung	1RE-9-2016	Gesendet	delivered	a712972b-6b57-4cd1-b671-118a412c3894
Kundenrechnung	1RE-13-2016	Gesendet	delivered	09c89c2-e5d0-475f-af76-b11e526876b

Cost efficient

As a result of cooperation with ecosio and the integration of the ecosio.ERPEL interface, all4cloud can now offer EDI-ready SAP Business ByDesign. After minor adaptations are made to accommodate ERP partner needs, communication using all common formats and protocols can begin.

For all4cloud clients, the EDI functionality integrates seamlessly in the SAP BusinessByDesign user interface, making expensive software solutions unnecessary. ecosio.ERPEL grows along with client requirements, and the pay-per-use model keeps it cost-efficient. Ulrich Hoffmann: "The solution allows for quick and unambiguous document exchange between business partners. There are no questions or other disagreements: all data is present and can be understood and processed by both sides. In this case, invoices are being sent via EDI (INVOIC), which inevitably accelerates payment flows."

„It was a very collaborative partnership, from beginning to end. Our focus was always on the client's needs, and all requirements were implemented professionally.“

Ulrich Hoffmann, Head of Consulting, all4cloud

„We have come to know ecosio as a flexible and adept company specialized and very skilled in the optimization of business processes. Further joint projects are already in the pipeline.“

Ulrich Hoffmann, Head of Consulting, all4cloud

all4cloud and ecosio: EDI expertise for SAP Business ByDesign

Requirements

- » Develop an interface that can be used by all of all4cloud's SAP Business ByDesign clients
- » Use of web services/APIs etc. necessary since SAP Business ByDesign is a cloud-based solution
- » Solutions such as local converters or traditional interfaces like SFTP, offered by other EDI service providers, are not suitable for a cloud-based solution like SAP Business ByDesign

ecosio Advantages

- » EDI experts and tailored solutions
- » Excellent customer service
- » One contact person – one EDI partner – one interface
- » ERPEL is integrated as a native feature in SAP Business ByDesign
- » Innovative add-on for maximum client value
- » The interface is ready to use after minor adaptations
- » Minimal initial costs and mapping costs for ERPEL to ERPEL

Technical details for ecosio.ERPEL

- » Supports all business partner communication protocols (X.400, AS2, OFTP2, SFTP, etc.)
- » Supports all business partner document formats (EDIFACT, VDA, CSV, ebInterface, ZUGFeRD – inbound and outbound, UBL, various other XMLdialects, FlatText, etc.)
- » Supports special requirements, including digital signatures
- » Proven ecosio end-to-end monitoring directly integrated in the ERP user interface
- » Exchange (send/receive) of price catalogues (both partial and complete catalogue data) – possible to convert to EDIFACT PRICATs

Technical Details for the all4cloud EDI add-on

- » Delivery confirmation, including repeated delivery in the case of transmission error
- » Monitoring of EDI communication directly in the SAP Business ByDesign standard user interface
- » Sending of standard contents and additional data, including: GTINs, business partner and product master data, additional bank details, open text fields (e.g. client information)

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