



Document	Users' Guide EDI		
Title	<i>User's guide</i>		
Class.	<i>Microsoft Dynamics 365 Business Central</i>		
Code	IDPEDI	Date	14 DE JUNIO DE 2019

EDI

USERS' GUIDE

Document Version: **1.0**

Document Date: **JUNE 14, 2019**

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iDynamics EDI

The EDI, or Electronic Data Interchange (Electronic Data Interchange) allows the exchange of standardized documents between the computer systems of those involved in a business relationship.

iDynamics EDI implements, as standard, the exchange of most common messages of the EDIFACT protocol:

- Receipt and confirmation of sales orders (ORDERS/ORDRSP).
- Sending of delivery notes (DESADV).
- Delivery confirmations (RECADV).
- Sending of credit memos and invoices (INVOIC).

In addition, it is designed to allow the customization of such messages and the addition of any messages, not included in the base product, that may be required.

The aim of iDynamics EDI is to be able to quickly and easily incorporate this communications system in companies that have customers that require the use of it.

1. Setup

To configure and use iDynamics EDI, you must access NAV with the ORDER PROCESSOR profile assigned. Within this profile we will find a new option "iDynamics EDI", from which we can access the use of the product.



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Procesador de pedidos de ventas - Microsoft Dynamics

CRONUS España S.A. Inicio

ACCIONES

Oferta venta Factura venta Abono venta Nuevo documento

Hoja precios venta Precios Navegar Actualizar Diario ventas Descuentos línea Cliente Ventas

Área de trabajo

- Pedidos venta
- Pedidos de ventas de Dynamics CRM
- Ofertas venta
- Pedidos abiertos venta
- Facturas venta
- Devoluciones ventas
- Abonos de venta
- Productos
- Cientes
- Diarios de productos
- Diarios de ventas
- Diarios de recibos de efectivo
- iDynamics EDI**

Procesador de pedidos de ventas

Actividades

Configuración de pías Filtro Borrar filtro

Para lanzamiento

Ofertas venta - Abiertas 0 Pedidos venta - Abiertos 28

Pedidos venta lanzados no enviados

Listos para enviar 6 Enviados parcialmente 0 Retrasados 16

Nº de días promedio de retraso 8,0

Devoluciones

0 8

Nueva oferta venta Nuevo pedido venta

Navegar

Nueva devolución ve Nueva abono venta

once we access the iDynamics EDI work screen, from the Navigate tab at the top of the list. we will be able to access all the configuration elements described in this document.

CRONUS España S.A. Inicio iDynamics EDI

INICIO ACCIONES NAVEGAR

Configuración de empresa Proveedores de EDI Plantillas de conf. Códigos Registro de mensajes iDynamics EDI

Área de trabajo

- Pedidos venta
- Pedidos de ventas de Dynamic...
- Ofertas venta
- Pedidos abiertos venta
- Facturas venta
- Devoluciones ventas
- Abonos de venta
- Productos
- Cientes
- Diarios de productos
- Diarios de ventas
- Diarios de recibos de efectivo
- iDynamics EDI**

iDynamics EDI

Acti...	Proveedor	Tipo de origen	Código de origen	Tipo de m...	Direc...
<input checked="" type="checkbox"/>	SERES	Todos los clientes		ORDERS	Entrada
<input checked="" type="checkbox"/>	SERES	Todos los clientes		RECADV	Entrada
<input checked="" type="checkbox"/>	SERES	Todos los clientes		INVOIC	Salida
<input checked="" type="checkbox"/>	SERES	Todos los clientes		DESADV	Salida
<input checked="" type="checkbox"/>	SERES	Todos los clientes		ORDRSP	Salida



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1.1. Company Setup

Within the configuration of the standard NAV company we must indicate the GLN (Global Location Number) code that we have assigned as a company. This code will identify us in all the transactions we make and is required for any type of communication with the EDI provider.

Información empresa

General

Nombre: CRONUS España S.A.

Dirección: Avenida Aragón, 5

Dirección 2: Centro Negocios

Código postal: 28023

Población: Madrid

Cód. país/región: ES

Provincia: Madrid

Nº teléfono: 91-2229788

CIF/NIF: 7777777A

GLN: 8435120700004

Código SIC de actividad:

Descripción CNAE: Distribución

Imagen:

Haga clic c

NOTE

This code will be provided by the EDI provider, if the company does not already have one assigned.

1.2. EDI Providers

To be able to send and receive electronic documents through EDI, we will need to contract the service with a provider that is responsible for transmitting, and optionally transforming, these documents.

iDynamics EDI is prepared to work with multiple EDI providers at the same time, although, most commonly, we only contract with a single provider.



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In addition to giving it a code and description, and marking it as "Active", optionally we will be able to configure the connection data to the ftp service of the provider.

If the ftp connection data is not configured, it will be necessary to use some other software (ofered by the provider or by a third party), which will synchronize the messages generated by iDynamics EDI (in a folder on disk) with the provider.

1.3. EDI Messages

This is the screen that is shown by default when we click on the link *iDynamics EDI* in the profile menu *SALE ORDERS PROCESSOR*.

The EDI messages define the exchanges of documents that we want to carry out with our customers or providers. Initially blank, the following screenshot shows a usual configuration, with all the messages included as base in iDynamics EDI.

iDynamics EDI ▾

Acti...	Proveedor	Tipo de origen	Código de origen	Tipo de mensaje	Direc...	Documen... pendientes	Ruta local	Carpeta de archivos procesados
<input checked="" type="checkbox"/>	SERES	Todos los clientes		RECADV	Entrada	0	D:\EDI\Recadv\Entrada\	D:\EDI\Recadv\Procesados\
<input checked="" type="checkbox"/>	SERES	Todos los clientes		ORDERS	Entrada	0	D:\EDI\Orders\Entrada\	D:\EDI\Orders\Procesados\
<input checked="" type="checkbox"/>	SERES	Todos los clientes		ORDRSP	Salida	0	D:\EDI\Ordersp\Salida\	
<input checked="" type="checkbox"/>	SERES	Todos los clientes		DESADV	Salida	0	D:\EDI\Desadv\Salida\	
<input checked="" type="checkbox"/>	SERES	Todos los clientes		INVOIC	Salida	0	D:\EDI\Invoice\Salida\	



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After clicking on the *Edit list* button in the action bar, the fields available for configuring each of the messages are as follows:

- **Active.** Indicates whether or not the message type will be processed when the message export/import process is launched.
- **EDI Provider.** The EDI vendor to whom you apply this message configuration.
- **Type of origin.** The type of origin allows you to filter the customers or suppliers with whom this communication will be used.
- **All the customers.** Este mensaje se usará en todos los documentos, que apliquen al tipo de mensaje, de todos los clientes *que tengan asignado al proveedor de EDI*.
- **Customer.** This message configuration applies exclusively to this client.
- **All the providers.** Equivalent to *All customers* filter, but for messages corresponding to communication with suppliers.
- **Provider.** This message setup applies exclusively to this provider.
- **Setup Template.** It will apply to all customers or suppliers who are assigned the selected configuration template.
- **Origin Code.** If you have selected Customer, Provider or Configuration Template, in the previous field, you must fill in this field with the code corresponding to the record to which the message applies.
- **Message Type.** The type of EDI message to be sent/received.
- **ORDERS.** Contains a purchase order from a provider (which will become a sales order when we are that provider).
- **ORDRSP.** Order response. This is a message from the seller to the buyer, in response to an order message.
- **DESADV.** Delivery note. Details the list of goods shipped or ready to be shipped.
- **RECADV.** Confirmation of receipt of goods.
- **INVOIC.** Invoice or Credit Memo.
- **Address.** This field is important because the address will define whether the invoices, orders, or delivery notes, are for sale or purchase. An "Inbound" ORDERS message will become a sales order in NAV, while an "Outbound" ORDERS message will correspond to the sending of purchase orders to a provider.
- **Local Route.** The path where the downloaded files will be searched for processing, or where the exported files will be left, to be sent to the EDI provider.



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- **Processed files folder.** In the case of downloaded files, once processed they will be moved to this directory.

NOTE

It is important to keep in mind that this path is relative to the server where the instance of Dynamics NAV is being executed. It is equally important to bear in mind that access to this folder is carried out using the credentials of the user who executes the NAV instance. Therefore, if, for example, the instance is started by "Network Service", we must ensure that the user has read and write permissions on the folder that iDynamics EDI will use.

- **FTP File Folder.** If we have configured the connection data to the FTP of the provider, indicates the path within the server where the file exchange takes place. It is an FTP path, so you must indicate it using "/" at the beginning and at the end. For example "/orders/".

1.4. EDI Codes

In the same way that the EDI provider provides us with a GLN code that identifies us, we will also need to correlate customer codes and NAV shipping addresses with those that will arrive in the EDI swap files. Not only that, but there are also different configuration elements within NAV (payment methods, mode of transport,...), whose codes must be transformed to those expected by the EDIFACT standard.

This table allows us to translate the internal codes used within NAV for each of these registers into the codes corresponding to the document exchange protocol.

Códigos EDI ▾

Tabla	▲ Cód./No.	▲ Cód./No. 2	▲ Código EDI	▲ Código adicional
Cliente	▼ 10000		8424019000165	
Dirección de envío	10000	CENTRAL	8424019000165	
Forma de pago	GIRO		PG	
Config. grupos registro IVA	NAC	IVA16	VAT21	

The available fields are:

- **Table.** Indicates the type of element of our Dynamics NAV that we want to correlate with its unique identifier GLN. The elements to correlate are: Customer, Shipping address, Payment method, Supplier, Payment in code, Mode of transport, Transporter, Tax registration group configuration.
- **Code./No.** The key that identifies the table record.



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- Code./No. 2 If the key of the table consists of values (e.g. shipping address), the second value that identifies the record.
- EDI Code The code by which the original key will be transformed, when an EDI message is imported/exported.
- Additional Code As in NAV, the identifier in EDI could be composed of two values.

1.5. Customer/Provider Card

Once iDynamics EDI has been installed, a new block of *EDI* fields will appear in the customer/provider card, where the exchange of messages can be activated or deactivated.

Pagos	1M(8D)	▼
Envío	AZUL Parcial ENF	▼
EDI	^	
Proveedor de EDI:	SERES	▼
Plantilla de config.:	GENERAL	▼

The first field, *EDI Provider*, indicates the service provider we are going to use to send/receive messages with this customer/provider. Messages will only be exchange with those customers or suppliers that have an EDI provider configured.

The *Configuration Template* is optional, and allows you to group customers or suppliers, as well as configure some particular import/export options for them (see below, in this same document).

If the same customer/provider has several shipping addresses, each with a different EDI identifier, we would configure it in the EDI code table (see above).

1.6. Setup Templates

They allow you to group customers or providers, and customize the import/export options for the data detailed below.

Plantillas de configuración					
Escribir para filtrar (...) Nº					
No hay ningún filtro aplicado					
Nº	Descripción	Precios netos	Precio venta de NAV	Sin bultos	Enviar como INVOICE
GENERAL	Configuración general	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Facturas y abonos
VIP	Cientes especiales	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Facturas y abonos

- **Net prices.** Affects the ORDERS message and, if checked, the amount will be obtained from the "Unit net weight" field (with discounts, but without VAT) of the line received in that message.



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- **NAV sale price** If this options is checked, the price received in this order will be ignored (ORDERS), and the corresponding price will be applied according to the rates configured in NAV.
- **Without packages** Makes specifying (in the DESADV message) the desired number of packages optional. In case it is not marked, this information will be obligatory.
- **Send as INVOIC** Allows you to specify whether you want to send as INVOIC communication only invoices, credit memos, or both.

2. Usage

2.1. Introduction

To configure and use iDynamics EDI, you must access BC/NAV with the *ORDER PROCESSOR* profile assigned. Within this profile you will find a new option "iDynamics EDI", from which you can access the use of the product.

The screenshot shows the 'Procesador de pedidos de ventas - Microsoft Dynamics' interface. The left sidebar lists the 'Área de trabajo' (Work Area) with options like 'Pedidos venta', 'Ofertas venta', 'Facturas venta', 'Devoluciones ventas', 'Abonos de venta', 'Productos', 'Clientes', 'Diarios de productos', 'Diarios de ventas', 'Diarios de recibos de efectivo', and 'iDynamics EDI'. A green arrow points to 'iDynamics EDI'. The main area displays the 'Procesador de pedidos de ventas' page with a 'Actividades' (Activities) section and a 'Para lanzamiento' (For launch) section. The 'Para lanzamiento' section shows statistics for 'Ofertas venta - Abiertas' (0) and 'Pedidos venta - Abiertos' (28). Below this, the 'Pedidos venta lanzados no enviados' (Sales orders launched not sent) section shows statistics for 'Listos para enviar' (6), 'Enviados parcialmente' (0), 'Retrasados' (16), and 'Nº de días promedio de retraso' (8,0). The bottom section shows 'Devoluciones' (Returns) with statistics for 'Nueva devolución ve' (0) and 'Nueva devolución ve' (8).



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2.2 Message Queue

With iDynamics EDI already configured, clicking on the *iDynamics EDI* menu will display the list of configured exchange messages:

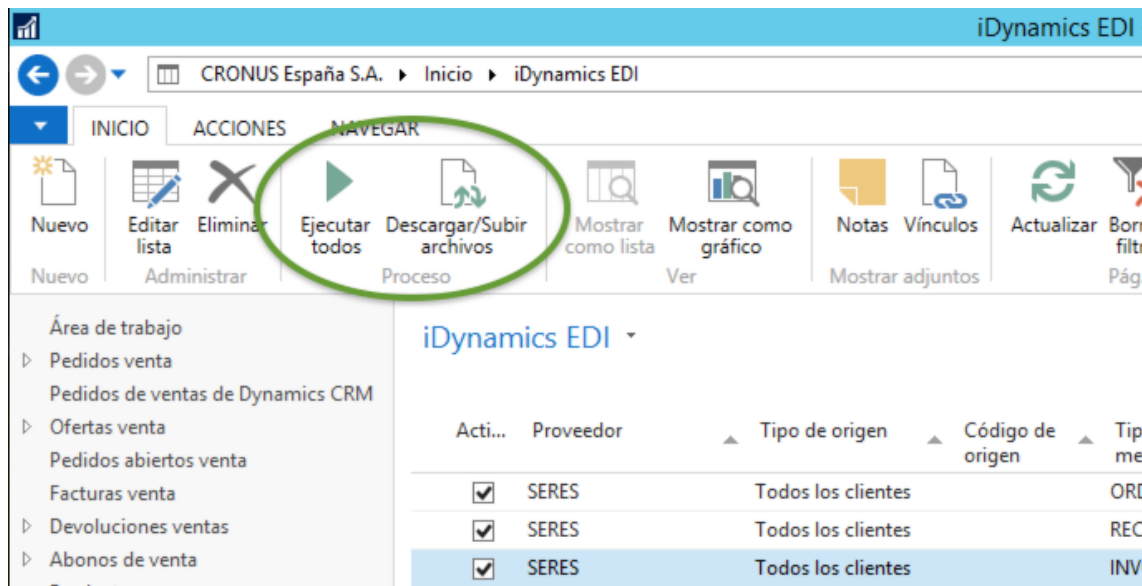
iDynamics EDI ▾

Acti...	Proveedor	Tipo de origen	Código de origen	Tipo de mensaje	Direc...	Documen...	Ruta local	Carpeta de archivos procesados
<input checked="" type="checkbox"/>	SERES	Todos los clientes		RECADV	Entrada	0	D:\EDI\Recadv\Entrada\	D:\EDI\Recadv\Procesados\
<input checked="" type="checkbox"/>	SERES	Todos los clientes		ORDERS	Entrada	0	D:\EDI\Orders\Entrada\	D:\EDI\Orders\Procesados\
<input checked="" type="checkbox"/>	SERES	Todos los clientes		ORDRSP	Salida	0	D:\EDI\Ordersp\Salida\	
<input checked="" type="checkbox"/>	SERES	Todos los clientes		DESADV	Salida	0	D:\EDI\Desadv\Salida\	
<input checked="" type="checkbox"/>	SERES	Todos los clientes		INVOIC	Salida	0	D:\EDI\Invoic\Salida\	

The Pending Documents column shows whether any documents are pending to be sent or received. In the case of *Inbound* communications, the number corresponds to the number of messages received (each of them can include multiple orders/invoices/confirmations/confirmations/delivery notes), while in the case of *Outgoing* communications the number of BC/NAV records to be included in the next message is displayed.

2.3 Exporting/Importing messages

In the list of messages we have several actions to launch the processing of all configured messages.



- **Execute them all.** It will launch the import of all the files that are in the disk path, and will export all the files that are pending to be sent (to their corresponding directory).



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- **Download/Upload files.** If the EDI supplier's FTP has been configured, this action will download the latest communications received, and upload the latest exported messages.
- **Run selected.** Available within the actions tab, it allows you to execute only the export/import of the selected message(s).

2.4 Recording EDI messages

All export or import processes generate an activity log that can be consulted from the *Message Log* action of the *NAVIGATE* tab.

N° mov.	Tipo de mensaje	Estado	N° documen...	N° documento EDI	N° de línea de doc. EDI	Importado/Expo...	Archivo
1	INVOICE	Correcto	103045		0	24/10/2017 9:22	D:\EDI\Invoice\Salida\103045_2
2	INVOICE	Correcto	103045		0	24/10/2017 11:44	D:\EDI\Invoice\Salida\103045_2
3	INVOICE	Correcto	103045		0	24/10/2017 12:30	D:\EDI\Invoice\Salida\103045_2
4	INVOICE	Correcto	103045		0	31/10/2017 15:52	D:\EDI\Invoice\Salida\103045_2
5	INVOICE	Correcto	103045		0	31/10/2017 15:56	D:\EDI\Invoice\Salida\103045_2

This activity log allows you to verify that all tasks have been completed successfully, and to obtain information about any possible errors that may have occurred.

Within the record table, the columns *EDI document number* and *EDI document line number* are filled in for data import processes.

2.5 Sales orders

From the sales order we can generate confirmation of receipt of the order, and fill in part of the information associated with the shipments that occur.

EDI

Documento Recibido por EDI: ☒

Alertas: No

Confirmación de pedido (ORDRSP)

Enviar confirmación: ☒

Código de respuesta:

Confirmación enviada: ☐

Envío de albarán (DESADV)

Cantidad de bultos:

Confirmación de envío de albarán (RECADV)

Confirmación requerida: ☒

Avisos: No

Recep. parcialmente confirmada: ☐

Recep. completamente confirmada: ☐

Starting with the fields that can be found in the EDI block, we find the following data:

Empezando por los campos que podemos encontrar en el bloque de EDI, nos encontramos con los siguientes datos:

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- EDI document. Indicates whether this order was received via EDI.
- Alerts. Indicates whether EDI errors occurred in connection with this purchase order.
- ORDRSP required. It is checked if there is an ORDRSP configuration that applies to the client of this order. In this case, an ORDRSP-type record is expected to be generated, confirming that the order has been received successfully.
- ORDRSP response code. Allows you to indicate, in the confirmation of receipt, whether the order is accepted or rejected, or whether it is accepted by making changes to it.
- ORDRSP confirmation sent. This field is automatically filled in when the ORDRSP file is generated to confirm receipt by the customer.
- Number of bundles. If the delivery note is to be transmitted by EDI, it indicates the number of packages in the consignment.
- RECADV required. Similar to the ORDRSP, it indicates that delivery confirmation messages have been configured for customers.
- Warnings. Displays any confirmations that may have occurred when the confirmations of receipt were imported.
- Partial recovery confirmed. It will be marked if the customer has sent a confirmation of partial receipt.
- Full recovery confirmed. It will be marked if the customer has sent a complete confirmation of receipt.

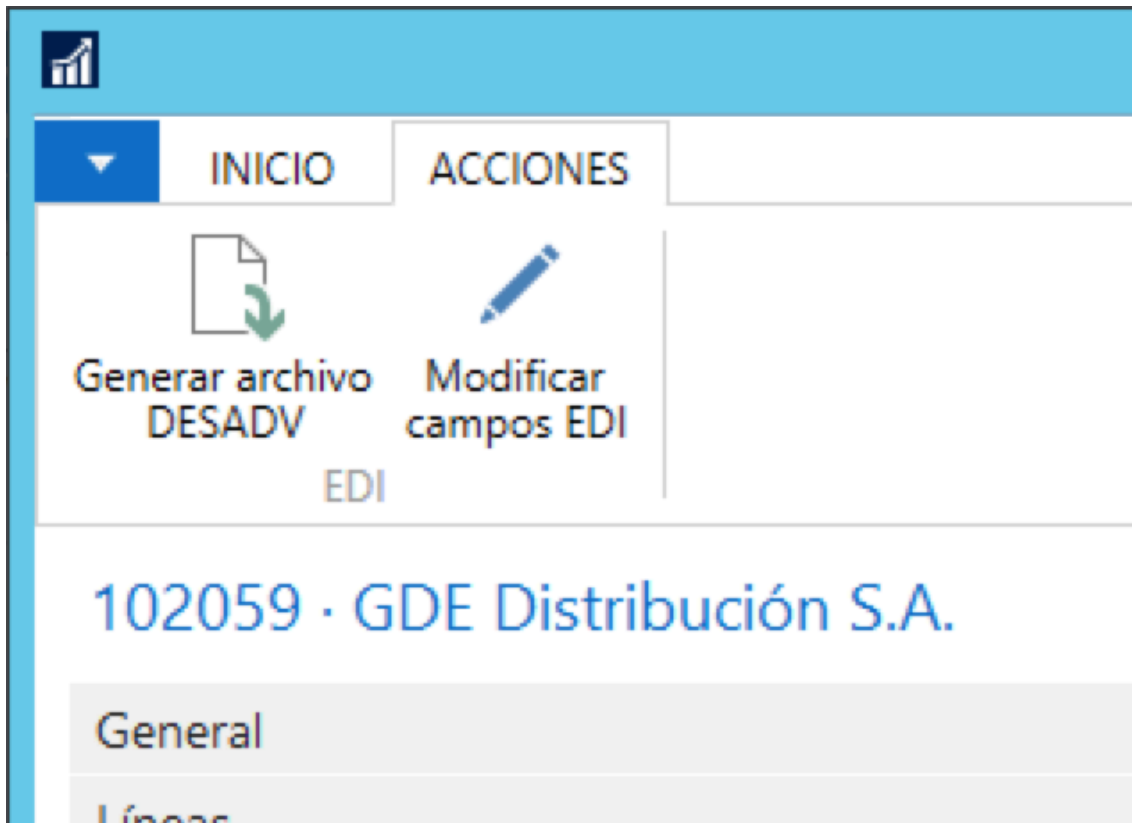
Related to the previous ORDRSP fields, in the Actions bar, we can find the following actions that will generate the confirmation message of receipt of the order message, assigning the status indicated in the ORDRSP response code field.



2.6 Sales notes

From the sales notes history, entering any delivery note associated with a customer who has configured with the EDI message of delivery note sending (DESADV), and generate it manually.

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ACCIONES

Generar archivo DESADV
EDI

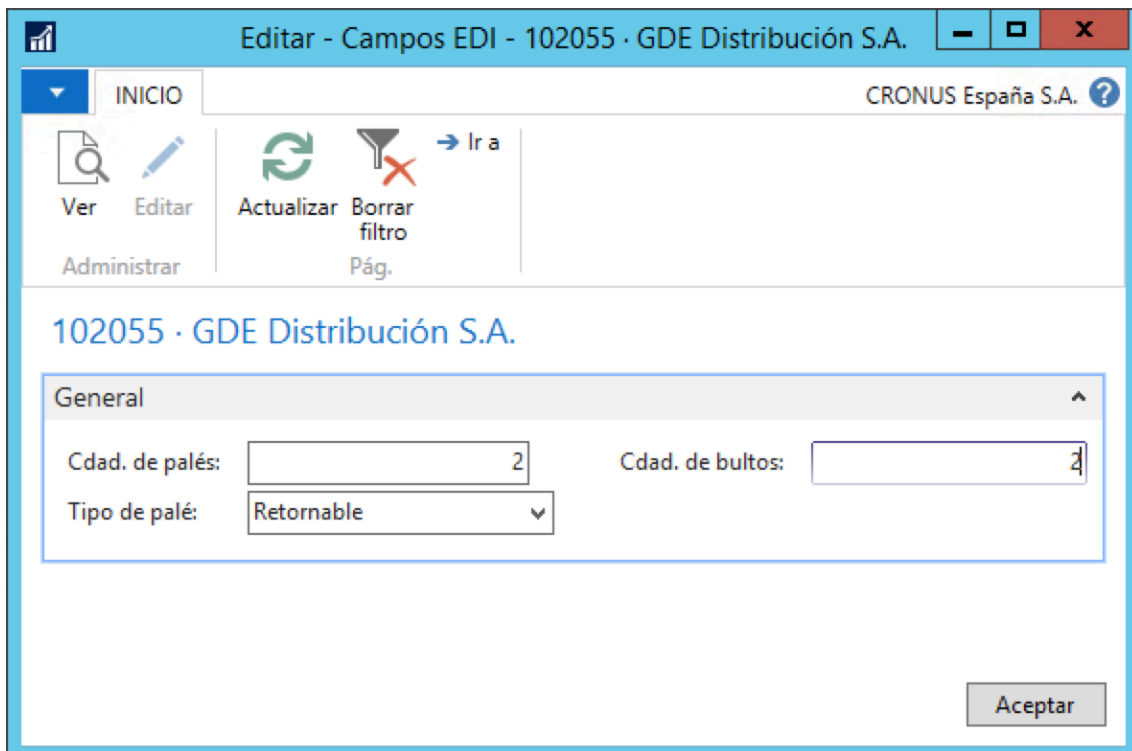
Modificar campos EDI

102059 · GDE Distribución S.A.

General

Líneas

The option Modify EDI fields will give us the option to indicate the number of packages and/or pallets and, in the case of sending pallets, their type.



Editar - Campos EDI - 102055 · GDE Distribución S.A.

CRONUS España S.A. ?

Ver Editar Actualizar Borrar filtro Ir a

Administrar Pág.

102055 · GDE Distribución S.A.

General

Cdad. de palés: 2 Cdad. de bultos: 2

Tipo de palé: Retornable

Aceptar



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These fields are visible, in read-only mode, within the delivery note page itself, in the EDI field block.

EDI	
Pedido recibido por EDI:	<input type="checkbox"/>
Enviar albarán:	<input type="checkbox"/>
Alertas:	Sí
Albarán enviado:	<input type="checkbox"/>
Confirmación recibida:	<input type="checkbox"/>
Cdad. de palés:	<input type="text"/>
Tipo de palé:	<input type="text"/>
Cdad. de bultos:	<input type="text"/>

In addition to the three pallet and package information fields, we will find:

- Order received by EDI Yes/No, depending on whether the DESADV message corresponding to this delivery note has already been exported.
- Confirmation received. If delivery confirmation messages (RECADV) have been configured, this field indicates whether we have received such confirmation from the customer.

2.7 Sales invoices

Within the invoices of the sales invoice history we will have two buttons, inside the actions tab:

Vista - Histórico facturas vent					
INICIO ACCIONES NAVEGAR					
Imprimir...	Correo electrónico	Buscar facturas correctivas	Marcar/Desmarcar como enviada	Generar archivo INVOIC	Ver documento entrante
Navegar	Registro de actividad		EDI		Selección de documento
General		Funciones		Doc	

PREV-FAC103001 · Seguros Bella Vista S.A.

General

- **Generate INVOIC file.** Exports the EDI message corresponding to the invoice. This action is useful in case, for some reason, we want to export only this invoice, instead of launching the complete export process.
- **Mark/Deselect as sent.** Once the message has been exported, it is marked as sent. If there is a problem and you want to send it again, this button allows you to alternate the status of that mark.

At the bottom of the document you will find new fields related to EDI. Specifically:

EDI	
Pedido recibido por EDI:	<input type="checkbox"/>
Enviar factura:	<input type="checkbox"/>
Alertas:	Sí
Enviado:	<input type="checkbox"/>



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- **Order received by EDI.** Indicates whether the invoice we are on comes from an order received through EDI.
- **Alerts.** Warns us if there has been an error exporting the EDI message corresponding to the invoice. In this case, clicking on the field will show the corresponding error record.
- **EDI message sent.** It will be marked if the INVOIC message corresponding to the invoice has already been exported.

2.8 Sales credit memos

The actions and fields availables in the sales subscription history documents are identical to those available in sales invoices.