

Adaxia



Bunnings EDI Process

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1 Bunnings EDI Import

1.1 Purpose of this Document

An Adaxa client has Bunnings as a major customer. Bunnings require that orders and invoices be processed via their EDI gateway.

This HowTo guide is the documentation for the system built to assist the Adaxa client to transact with Bunnings from within the client's Adempiere ERP&CRM system.

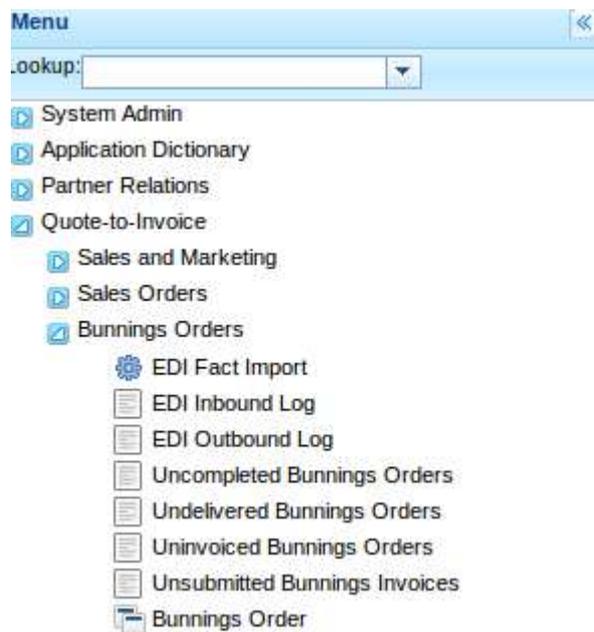
The Adempiere system has native EDI functionality which was more developed around the USA based ANSI ASC X12 however the Bunning's implementation used the UN/EDIFACT standard. Significant extensions to the native Adempiere functionality were required for the system to work effectively. There were also gaps in the basic Adempiere functionality relating to Functional Acknowledgements which were addressed.

The system has been in use for over a year and has worked reliably during that time.

2 Bunning's EDI User Manual

2.1 Menu

As Bunnings orders make up the majority of orders processed by Adaxa's client, a separate menu has been created to support the Sales Order process for Bunnings orders. It appears in the main menu beneath the normal Sales Order sub-menu.



Screenshot 1: Bunnings Order menu

2.2 EDI Fact Import

The "EDI Fact Import" process downloads purchase orders as edi files from the Bunnings server, and automatically creates a Sales Order in Adempiere.

Running the process is simply a matter of opening the process from the menu and clicking on the "Start" button. The parameters all default to the appropriate values for importing from the Bunnings server.

Note that the process can also be automated by just creating a Scheduled task within Adempiere.

The screenshot shows a web-based configuration window titled "EDI Fact Import". At the top, it asks "Do you want to start the Process?". Below this, the heading "Process EDI inbound document" is followed by several input fields and checkboxes:

- Folder Name: /out
- EDIProcessor: Bunnings In
- DeleteRemoteFile
- LocalFolder: /u01/EDI
- ConnectionType: FTP_CONNECTION
- AckProcess: EDISubmitAck
- Print Documents

At the bottom right, there are two buttons: "Start" (with a green checkmark icon) and "Cancel" (with a red X icon).

Screenshot 2: EDI Fact Import Process

When the process has completed a summary of what has been imported is displayed. This records each file that was imported, the document number of any created orders and any errors that may have prevented an order from being created.

An acknowledgement is sent to Bunnings for each EDI file, advising whether the order was accepted or rejected with an error.

3 EDI Inbound Log

The screenshot shows a web-based window titled "Inbound EDI Message log". At the top, it asks "Do you want to start the Process?". Below this, there is a date input field:

Date: 13/04/2011

At the bottom right, there are two buttons: "Start" (with a green checkmark icon) and "Cancel" (with a red X icon).

Screenshot 3: EDI Inbound Log

This report displays a list of files loaded via the EDI interface. It summarises the information output at the end of the EDI Fact Import process, and therefore can be used to check for exceptions. The report can be filtered to a specific date range by entering dates in the parameter screen. The EDI inbound log shows the time the import occurred, a unique "interchange" number and the document type of the EDI file. For dealing with Bunnings, this will either be "ORDERS" for

a Purchase Order from Bunnings or "CONTRL" for an acknowledgement of an invoice sent to Bunnings.

Adaxa Inbound EDI Message log Page 1 of 1

Parameter: Date >= 13/04/2011

Trx Date	Interchange No	Message Type	ReferenceNo	Error Msg	Order
13/04/2011 2:47:22 PM	133117576	CONTRL	0001		
13/04/2011 2:47:25 PM	133117871	CONTRL	0001	26	
13/04/2011 2:47:30 PM	133118048	CONTRL	0001	26	
13/04/2011 2:47:30 PM	133118416	CONTRL	0001	26	
13/04/2011 2:47:31 PM	133120925	CONTRL	0001	26	
13/04/2011 2:47:31 PM	133121059	CONTRL	0001	26	
13/04/2011 2:47:31 PM	133121256	CONTRL	0001	26	
13/04/2011 2:47:33 PM	133121296	CONTRL	0001	26	
13/04/2011 2:47:35 PM	133121339	CONTRL	0001	26	
13/04/2011 2:47:36 PM	133121549	CONTRL	0001	26	
13/04/2011 9:36:08 AM	132947898	ORDERS	6359V14226413		60728 - 2011-04-12 00:00:00
13/04/2011 9:36:21 AM	132947899	ORDERS	6118V14226351		60729 - 2011-04-12 00:00:00
13/04/2011 9:36:28 AM	132947903	ORDERS	7180V14226222		60730 - 2011-04-12 00:00:00
13/04/2011 9:36:44 AM	132951237	ORDERS	7024S14226598		60731 - 2011-04-12 00:00:00
13/04/2011 11:49:25 AM	132952691	ORDERS	6227V14226688		60736 - 2011-04-12 00:00:00
13/04/2011 9:36:56 AM	132958317	ORDERS	2180V14227366		60732 - 2011-04-12 00:00:00

Screenshot 4: Extract of EDI Inbound Report

Of particular importance is that each "ORDERS" type EDI message should have an entry in the "Order" column – this is the generated Sales Order. If there has been an error, there should be a value in the Error Msg column and no order. Any errors should be referred to Adaxa for diagnosis since the error code information provided from the Bunnings server will not be in enough detail to assist a user. Any ORDERS entry that does not have an order should also be followed up.

3.1 Bunnings Orders window

This new window is an exact duplicate of the main Sales Order window that the client has been using except that it is filtered to only display Bunnings Orders. When the window first opens it will show all orders that have not yet been completed, as well as any orders that may have been worked on in the last 24 hours, sorted by most recent first. After running the EDI Fact Import the newly created orders will be displayed in this window (if the window was already open, use the requery  toolbar button to load the new orders).

Screenshot 5: Bunnings Order window

The screenshot shows a web-based order entry form for Bunnings. The form is organized into several sections:

- Order Header:** Includes Client, Organization, Document No (60743), and Order Reference (236794). A description field contains the text "INV W/GOODS-NO B/ORDERS-COST EXCL GST".
- Order Details:** Features Target Document Type (Standard Order), Date Ordered (13/04/2011), Date Promised (14/04/2011), Business Partner (Bunnings Group Limited), Invoice Partner (Bunnings Group Limited), Partner Location (Gordon Store), and Invoice Location (Gordon Store).
- Delivery Section:** Includes Delivery Rule (Force), Priority (Medium), Warehouse (Carol Park), Delivery Via (Shipper), Freight Cost Rule (Freight included), and Freight Category.
- Invoicing Section:** Includes Invoice Rule (After Delivery), Price List (Bunnings Price List March 2011), Currency (AUD), Sales Representative (APFAdmin), Payment Term (7 Days from Invoice), and a checkbox for Discount Printed.
- Reference Section:** Includes Project and Dept dropdown menus.
- Status Section:** Shows Total Lines (756.00), Grand Total (831.60), Document Status (Drafted), and Document Type (Standard Order). It also includes a checkbox for Pay Schedule valid and buttons for Copy From and Prepare.

You can navigate through the list of Orders using the first, up, down and last buttons:



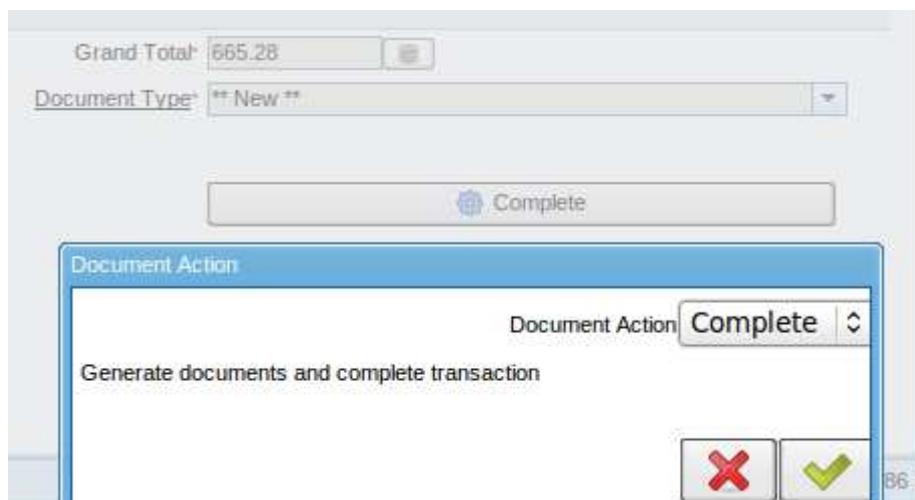
Alternatively you can use the "Grid Toggle" button  a list of the available orders and select an order to work on.

Screenshot 6: Bunnings Order window in Grid view

Client	Organization	Document No	Order Reference	Description
Client	Pty Ltd	60743	36794	INV W/GOODS-NO B/ORDERS-CC
Client	Ltd	60742	34422	INV W/GOODS-NO B/ORDERS-CC
Client	Ltd	60741	33724	INV W/GOODS-NO B/ORDERS-CC
Client	Ltd	60740	537	INV W/GOODS-NO B/ORDERS-CC
Client	Ltd	60739	2619	INV W/GOODS-NO B/ORDERS-CC
Client	Ltd	60738	1103	INV W/GOODS-NO B/ORDERS-CC
Client	Ltd	60737	229574	INV W/GOODS-NO B/ORDERS-CC
Client	Ltd	60736	226688	INV W/GOODS-NO B/ORDERS-CC

The order should then be edited, the shipper selected, an appropriate document type chosen ("Credit Order" or "Standard Order" and the warehouse to ship from can be amended if necessary. Similarly the order lines should be verified to ensure the price requested by Bunnings is correct, and any adjustments to the order quantity can be made.

Finally the order can be completed by clicking on the Document Action button (at the bottom right of the screen, with the default next action written on it e.g. "Prepare" or "Complete"). Select "Complete" from the drop down list and click the green tick.



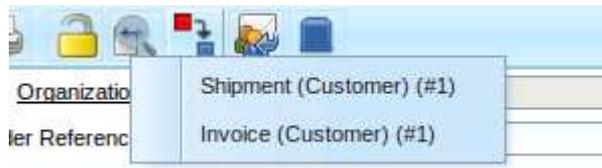
Screenshot 7: Document Action button

If the order is to be cancelled, use the same button but choose the "Void" option in the drop down list. It is also advisable to make a note in the order description about why the order was cancelled to ensure future traceability.

Once the order has been completed, further processing depends on the Document Type chosen. For the purposes of this document all orders will be processed as Credit Orders although the same processes would apply to other relevant order types.

3.2 Credit Order

From the completed order click on the "Zoom Across" toolbar button to access the related shipment and invoice.



Screenshot 8: Zoom Across button

Clicking on the Invoice option in the list that appears will take you directly to the correct Invoice in a new window.

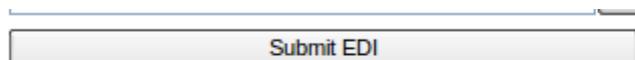
Screenshot 9: Invoice window

The screenshot shows the 'Invoice (Customer)' window in the Adaxa system. The window title bar includes 'Menu (0)', 'Bunnings Order', and 'Invoice (Customer)'. The main content area is divided into several sections:

- Invoice Line:** Client, Order (60747_2011-04-13 00:00:00), Document No (100822), Description (INV WIGOODS-NO B/ORDERS-COST EXCL GST), Target Document Type (AR Invoice), Date Invoiced (13/04/2011), Business Partner (Bunnings Group Limited), User/Contact, Price List (Bunnings Price List March 2011), Sales Representative (Admin), On Credit button.
- Organisation:** Organisation, Date Ordered (13/04/2011), Order Reference (38498).
- Account Information:** Self-Service checkbox, Account Date (13/04/2011), Partner Location (Willetton Store), Currency (AUD), Discount Printed checkbox, Payment Term (7 Days from Invoice).
- Reference:** Project, Dept.
- Status:** Total Lines (756.00), Grand Total (831.60), Document Status (Completed), Document Type (AR Invoice), Pay Schedule valid checkbox, Copy Lines button, Posted button, Paid checkbox, Collection Grace Date, Cash Plan Line, Submitted via EDI checkbox.
- Collection Status:** Collection Status, Dunning Level.
- Buttons:** Close button.

At this point the invoice can be printed (note that for a credit order the invoice is also able to be printed directly from the Sales Order window).

Finally the Invoice can be submitted to Bunnings using the "Submit EDI" button at the bottom of the invoice window.

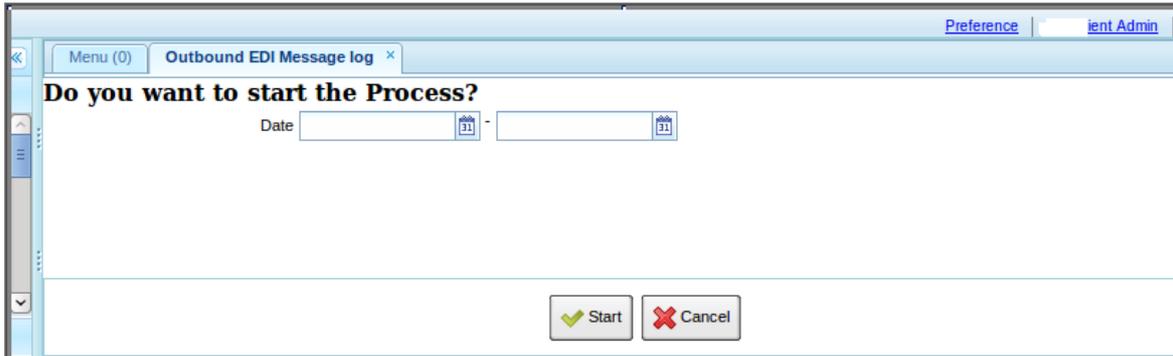


This will transmit the invoice to Bunnings as an electronic file. Once the file has been uploaded the submit button will be replaced by a checkbox signalling that the invoice has been submitted.



3.3 EDI Outbound log

This report details the invoices that have been uploaded to Bunnings and whether or not they have been acknowledged or rejected. Invoice acknowledgements from Bunnings are not presently in place so the current report just shows what has been sent to Bunnings. Improvements in this area are waiting on changes at the Bunnings end to not 're-use' what are specified as unique document Ids for the invoice and its related acknowledgement.



Screenshot 10: EDI Outbound

As with the Inbound log the report can be filtered to a date range.

Adaxa Outbound EDI Message log Page 1 of 1

Parameter: Date >= 13/04/2011

Interchange No	Trx Date	Message Type	MessageReferenceNo	Invoice	Action	Error Msg
2000118	13/04/2011 11:25:32 AM	INVOIC	100797	100797 - 2011-04-11 00:00:00 - 5373.72		
2000119	13/04/2011 11:29:04 AM	INVOIC	100795	100795 - 2011-04-11 00:00:00 - 3583.80		
2000120	13/04/2011 11:30:00 AM	INVOIC	100798	100798 - 2011-04-11 00:00:00 - 2494.80		
2000121	13/04/2011 11:31:31 AM	INVOIC	100782	100782 - 2011-04-12 00:00:00 - 3326.40		
2000122	13/04/2011 11:49:06 AM	INVOIC	100796	100796 - 2011-04-11 00:00:00 - 1920.60		
2000124	13/04/2011 11:50:15 AM	INVOIC	100799	100799 - 2011-04-11 00:00:00 - 831.60		
2000125	13/04/2011 12:01:59 PM	INVOIC	100794	100794 - 2011-04-11 00:00:00 - 1663.20		

Screenshot 11: Extract of Outbound log

3.4 Unsubmitted Bunnings Invoices

This report provides a list of invoices that have been completed but have not yet been sent to Bunnings via the EDI interface.

It can be filtered by invoice date.

Screenshot 12: Unsubmitted Bunnings invoices

Adaxa Unsubmitted Bunnings Invoices Page 1 of 1

Parameter: Invoice Date >= 12/04/2011

Date Invoiced	Document No	Doc Status	Grand Total Order	Order Reference	Submitted via EDI
12/04/2011	100793	Completed	831.60 6068 - 2011-04-12 00:00:00	8017S142	✘
12/04/2011	100804	Reversed	-1,089.00 6069 - 2011-04-12 00:00:00	6156S142	□ ✘
12/04/2011	100805	Completed	1,089.00 6069 - 2011-04-12 00:00:00	6156S142	✘

This can be used as a check to ensure no invoices have inadvertently been missed.

3.5 Uncompleted Bunnings Orders

This report returns a list of orders that are still in a draft/in progress state. The report can be used to identify orders that may need to be completed or cancelled as ideally the report should only return a small number of new orders at any given time.

3.6 Standard Order Documentation

If Standard Orders are to be used then additional user documentation will be beneficial. An additional how-to guide can be prepared if that sales order process is adopted. Please advise Adaxa if this additional document is required.

The additional reports available under the Bunnings Orders sub-menu: Undelivered Bunnings orders and Uninvoiced Bunnings orders are variants of the standard Open Orders that can be used to identify orders that need further attention.

4 Adaxa's Offices and Contacts

Information of a general nature about Adaxa and its services can be found at www.adaxa.com or obtained by sending an email to info@adaxa.com with a description of the information that you would like to receive. If you are an existing client and wish to initiate a request for software support please send an email to helpdesk@adaxa.com with as much detail as possible about the nature of your support request.

For all other information please contact the Adaxa office nearest to you.

4.1 Australia

Address: Level 1, 10 Kylie Place Cheltenham, Victoria, 3192, Australia

Contacts: Office

- 1300 990 120 (Within Australia)
- +613 9510 4788 (Outside of Australia)

4.2 New Zealand

Address: 73 Boston Road, Mt Eden, Auckland, 1023, New Zealand

Contacts: Office

- 0800 232 922 (Within New Zealand)
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