

Edifact Invoicing on the Millennium Library System

Presented to the Innovative Users Group South Africa (IUGSA)
Discussion session

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Agenda

- What is Edifact (EDI)
- Benefits of EDI Invoicing
- Some challenges with EDI
- Settings for EDI Invoicing
- Import invoices from vendor server via FTP
- Receiving & processing of invoices
- Live demo on the University of Pretoria Millennium Server
- Questions

What is Edifact

- **Electronic Data Interchange**
- File transfers from server (Vendor) to server (Institution) via FTP (File Transfer Protocol)

Benefits of EDI Invoicing

- Saves time
 - Processes multiple invoices at one time
(create invoice record & add invoice to the posting session)
- Less “finger trouble”

Some challenges with EDI

- Match on order number – payfiles exceed maximum
- “Skip message” – require valid location and fund fields
- Quality of data from vendor
- Files not loaded on vendor server
- No all vendors are EDI ready
- Secret – record data should be “correct”

Parameter settings for EDI invoicing

Vendor SAN file

The screenshot shows the Millennium Acquisitions software interface. The 'Admin' menu is open, and the 'Parameters' option is selected, leading to a sub-menu where 'Vendor SAN File' is highlighted. A green arrow points from this menu item to a 'Vendor SAN File' dialog box. The dialog box contains a table with the following data:

	Vend Code	Vend San	Lib Name	Lib San
1	books	0157449	GAEPR	1200453
2	daws	0058955	GAEPR	1200453
3	ebsc	ZR96100	GAEPR	1200453
4	bluke	0012351	GAEPR	1200453
5	bluse	1697048	GAEPR	1200453
6	acade	1697145	GAEPR	1200453
7	daine	9014438	GAEPR	1200453
8	nijh	1349740	GAEPR	1200453

Parameter settings for EDI invoicing

Vendor record

v10000021

File Edit View Go Tools Window Help

Insert Save Delete View Edit Browse Print Close

v10000021 Last Updated: 28-08-2008 Created: 13-08-2004 Revisions: 13

CLAIMCYCLE		RECEIPTS	0	EPRICE CNCL	
VCODE1	- NONE	INVOICES	573	AVG WEEKS	0
VCODE2	s CLAIMING	ORD CLMD	0	DISCOUNT	0
VCODE3	d EDIFACT	CPY RCVD	0	VENDOR MSG	
ORDERS	2	ORD TOT		LANGUAGE	
CLAIMS	0	INV TOT	R0.00	GIR CODE	0
CANCELS	1	EPRICE RCVD	R0.00		

VENCODE swets

VENNAME SWETS & ZEITLINGER NEDERLAND

ADDRESS1

SWETS & ZEITLINGER NEDERLAND
Postbus 830
2160 SZ Lisse
Nederland

ALTCODE s

NOTE1 Tel 012 63 1970

NOTE2 \$EDI\$d1200453fiiiiclaims@swets.com

NOTE3 \$VENDSAN=1077104

Still required for Bisac claims/orders

Required for EDI orders

Edit Mode (OVR)

Import invoices

The screenshot displays the 'Millennium Acquisitions' software interface. The main window title is 'Millennium Acquisitions · University of Pretoria/CSIR. Library Catalogue.' The menu bar includes 'File', 'Edit', 'View', 'Go', 'Tools', 'Admin', and 'Help'. The main area is titled 'Import Invoices' and features a navigation pane on the left with options: 'Up one level', 'Import Invoices', and 'Data Exchange'. The main workspace has tabs for 'Import', 'Accept/Reject', and 'Reports'. Below these are buttons for 'Get Shipment', 'View shipment', 'Test Process', and 'Process'. A 'Process Options' section is visible. A 'Receive' dialog box is open, showing radio button options for 'Firm Order Invoice (EDIFACT)', 'Serials Invoice' (selected), and 'NetLibrary'. A text box contains 'Select firm or serial order'. Below, a dropdown menu shows 'swets SWETS & ZEITLINGER NEDERLA' with a text box 'Enter Vendor code' next to it. At the bottom, a status bar indicates '0 Shipment(s), Maximum is 7 shipments.'

Import invoices

The screenshot shows an FTP client window titled "Receive". The main interface includes a menu bar with "File" and "View", a "Close" button, and a "Host" field containing "ftp.swets.com". A "Connect" button is visible below the host field. A "Login" dialog box is open, prompting for "User" and "Password" with "OK" and "Cancel" buttons.

Below the login dialog, there are two panels: "Local" and "Remote". The "Remote" panel shows a list of files with columns for "Name", "Size", and "Last Modified".

Name	Size	Last Modified
id0361541080806_62002...	408	06-08-2008 2:11PM
id0362028080807_62002...	4488	07-08-2008 9:41AM
id370186080907_620021...	7446	07-09-2008 10:53PM
id370190080907_620021...	510	07-09-2008 10:55PM

A "← Get" button is circled in the interface, with an arrow pointing to it from a text box that says "Transfer file to own server".

At the bottom of the interface, there is a "Transfer type" dropdown menu set to "Binary" and a checkbox for "Rename files upon transfer".

Process invoices

Millennium Acquisitions · University of Pretoria/CSIR. Library Catalogue. · Anette Lessing

File Edit View Go Tools Admin Help

Import Invoices Print Delete

Import Accept/Reject Reports

Invoices awaiting acceptance

Transferred records display

Session 1

	Invoice #		
1	0211671	sw	
2	0211674	sw	
3	11297463	da	
4	11319217	bla	
5	11324311	bla	
6	11335485	bla	
7	11335514	black	19
8	11341687	black	1
9			
10			
11			
12			
13	11359419	black	18
14	11359426	black	10
15	11359428	black	1
16	20559811	black	5
17	20559819	black	16
18	20568810	black	2
19	20579356	black	1
20	20579356	black	1

Duplicate Invoice

A possible duplicate invoice was found

Vendor: swets
 Invoice number: 0211674
 Invoice date: 07 Sep 2008
 Invoice total: -R866.48

Continue Return to Invoice List

Invoice no in red = potential duplicate with existing invoice record
 Invoice no in blue = potential duplicate in current list of invoices

A possible duplicate invoice was found

Process invoices

Millennium Acquisitions · University of Pretoria/CSIR. Library Catalogue.

File Edit View Go Tools Admin Window Help

Import Invoices

Print Close

Import Accept/Reject Reports

Invoice #0211671 2 items

Invoice Date 07-09-2008 Local Currency

Process Edit Group Show Details Display previous payments

Index	Record Number	Title	Prorated Price	Price	Fund	Location	Ord. Type	Note	Action
1	o10941770	Nederlandse jurispruden...	-R850.72	-R850.72	pl809	laws	s	2008 # 1 - ...	Accept
2	o1012763x	Nederlandse jurispruden...	-R888.00	-R888.00	pl809	laws	s	2008 # 14 - ...	Skip

Process Extended View

Service Charge R0.00 Total -R850.72

Up one level

Import Invoices

Data Exchange

Orders displaying "Accept" can be processed
Orders displaying "Skip" should be amended

Process invoices

Millennium Acquisitions · University of Pretoria/CSIR. Library Catalogue.

File Edit View Go Tools Admin Window Help

Import Invoices

Change currency before invoice is processed

Print Close

Import Accept/Reject Reports

Invoice #11335493 18 items

Invoice Date: 06-10-2008 Local Currency

Process Edit Group Show Details Display previous payments

Index	Record Number	Title	Prorated Price	Price	Fund	L
1	o10936634	Weak-scale supersymm...	R38.60	R36.09	bn368	ns
2	o10962037	Using social theory in ed...	R36.75	R34.24	bf138	ed
3	o10962050	Race, politics, and mem...	R20.55	R18.04	bf138	ed
4	o10962220	Ecology, community, an...	R61.95	R59.44	bi208	ns
5	o10963509	The First Amendment an...	R121.40	R118.89	bl058	la
6	o10963777	Flame retardant polymer...	R122.25	R119.74	bi078	ns
7	o10963893	Clinical manual and revi...	R106.10	R103.59	bm118	m
8	o1096406x	Education law stories / e...	R32.30	R29.79	bl058	la
9	o10964083	First amendment law / b...	R101.60	R99.09	bl058	la
10	o10964162	Writing and analysis in t...	R64.70	R62.19	bl068	la
11	o10964526	Scientific evidence in civ...	R116.00	R113.49	bl048	la
12	o10964654	Statistical thermodynam...	R93.50	R90.99	bi028	ns
13	o10964733	Embedded system desig...	R105.82	R103.31	bi038	ns
14	o10964800	Studies in contract law / ...	R132.20	R129.69	bl038	la
15	o10965051	Hard real-time computin...	R91.70	R89.19	bi038	ns
16	o10965270	Understanding Lung Sou...	R52.05	R49.54	bm098	m
17	o10965865	Otolaryngology : head & ...	R83.55	R81.04	bm108	kl

Process Extended View

Service Charge R45.19

Select

Local Currency

nok .8627

gbp 18.50

usd 11.5

cad 8.00

aud 7.00

nzd 6.00

eur 14.50

OK Cancel

Process invoices

Import Invoices Print Close

Invoice #0211671 2 items

Invoice Date:
 Local Currency:

Display previous payments

Index	Record Number	Title	Prorated Price	Price	Fund	Location	Ord. Type	Note	Action
1	o1012763x	Nederlandse jurisprude...	-R850.72	-R850.72	pl809	laws	s	2008 # 1 - 1...	Skip

Details Close

PO #	o1012763
Title	Nederlandse jurisprudentie. Uit
Fund	pl809
Location	laws
Ord Type	s
Prorated Price	-R850.72
Tax	R0.00
Service	R0.00
Inv num	0211671
Inv date	07-09-08
Pay note	2008 # 1 - 13 !60634383
Action	Skip

Service Charge R0.00

Process invoices

File Edit View Go Tools Admin Window Help

Import Invoices Change Fund or Location Code Print Close

Import Accept/Reject Reports

Invoice #0211671 2 items

Invoice Date Local Currency

Display previous payments

Index	Record Number	Title	Prorated Price	Price	Fund	Location	Ord. Type	Note	Action
1	01012763x	Nederlandse jurisprude	R850.72	R850.72	nl800	laws	s	2008 # 1 - 1...	Skip
		Order for above							
		Paid Date	Inv. Date	Im					
	121-08-2008	03-08-2008	01					8 # 14 - 26\usd888.00	
	208-05-2008	03-02-2008	61					7iss40-52\usd811.16	
	308-05-2008	03-02-2008	61					7iss2reg\usd23.90	
	415-01-2008	04-11-2007	61					007iss27-39\usd799.85	
	515-01-2008	04-11-2007	61					007iss1\usd22.71	
	622-05-2007	06-05-2007	61					007iss1-13\usd741.11	
	722-05-2007	06-05-2007	6200078500	R142.35	32321	001	copies	2006iss2\usd19.50	
	814-02-2007	04-02-2007	6200049370	R4,692.71	31059	001	copies	2006iss40-52\usd634.15	
	914-02-2007	04-02-2007	6200049370	R152.14	31059	001	copies	2006iss1reg\usd20.56	
	105-01-2007	29-10-2006	6515009652	R4,662.79	30684	001	copies	2006iss27-39\usd647.61	
	101-09-2006	09-08-2006	s6.861-856	R3,823.08	29095	001	copies	2006iss14-26\usd523.71	
	105-06-2006	10-05-2006	s6.772-869	R4,587.14	27688	001	copies	2006iss1-13\usd674.58	
	105-06-2006	10-05-2006	s6.772-869	R209.58	27688	001	copies	2006iss3\usd30.82	
	109-05-2006	05-04-2006	s6.720-310	R2,535.49	27268	001	copies	2005iss40-52\usd408.95	

Edit ✖

Fund

Location

Service Charge R0.00 Total R0.00

Live demo on the University of Pretoria Millennium Server

Thank you

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