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Concepts for importing/exporting to a file

Export from X3 to different file formats. Import into X3 from different file formats.

- Data needs to be organised into logical groups of lines, such as header, detail, etc. This structure is defined in the Import/export templates described in the next section.

Export

- Can export pretty much whatever you like, few if any restrictions

Import

- Create or modify records. If any defined primary key exists, will modify existing record.
- Simulates user entry, same checks. Need to follow data model more closely.
- Some complex objects cannot be imported



Screen shots in this document taken from 2022 R3 (12.0.31) environment.

Online help

The online help is extensive and very useful, so well worth paying attention and reading thoroughly!

- [Importing single line files](#)
- [Export](#)
- [Import/Export templates](#)
- [Specific Import/Export template help](#)
- [Import/Export templates: Technical appendix](#)

Specifying directory paths (optional)

Navigate to Parameters, Usage, Imports / Exports, Import/export parameters (GIMPEXPPAR)

All > Parameters > Usage > Imports / Exports

Import/Export parameters

Export parameters	
Default directory	[EDIEXPORT] <input type="text" value="Q :"/>
Temporary directory	[EDITMP] <input type="text" value="Q :"/>
Sequence no.	<input type="text" value="59"/>
Import parameters	
Default directory	[EDIIMPORT] <input type="text" value="Q :"/>
Temporary directory	[EDITMP] <input type="text" value="Q :"/>
Final directory	[EDIARCHIVE] <input type="text" value="Q :"/>
Error directory	[EDIERROR] <input type="text" value="Q :"/>

NOTE: where used, these locations must be predefined as volumes - configured in Usage, Usage, X3 Storage Areas

Some of these locations can be specified on individual import/export templates where they need to be different from default, so updating these settings is optional. Using them does however offer consistency and are particularly useful when running batch jobs. We'll see in more detail how they are all used later, but just to give you a quick explanation:

Export parameters default location where the export files get created. Sequence number is used to keep track of which records have been exported. (Database field : EXPNUM) we'll take a look at this later

Import parameters default location to look for files to be imported. Final=after importing, moves files here (if specified), Error= imports with rejected items .err files created here

Transcribing import/export data (Optional)

Navigate to Parameters, Usage, Imports / Exports, Transcribe import/export (GESAOR)

This option allows you to transcribe or map data where coding used by the external application are different from the Sage X3 codes. This is for both Exporting and Importing.

Some very basic examples are provided in SEED folder; for example, I've added table 500 which transcribes/maps payment terms, which we'll use with BPC export

Local code	External code
1 : CH30NET	CHQ
2 : DDIR30	DD
3 : CC	CCARD
4 :	

Additional note: can use * to give default if value is not found

Local code	External code
CHK	CHECK
DIV	*
*	OTHER

- For an export:
 - o CHK is transcribed to CHECK
 - o DIV is not transcribed and remains DIV
 - o Any other choice is transcribed to OTHER
- For an import:
 - o CHECK is transcribed to CHK
 - o Any other choice is transcribed to DIV
 - o OTHER is not transcribed and remains OTHER

Defining file formats for import/export

Navigate to Parameters, Usage, Imports / Exports, Import/Export templates (GESAOE)

You will first notice there are a lot of provided templates for you to use. These can be used as is, copied and edited or you can create new templates from scratch. Don't assume that the provided templates export/import every available field for an object.

For example, query back the BPC template

The screenshot shows the 'Import/Export template' configuration page in Sage X3. The left sidebar lists various templates, with 'BPC' selected. The main area shows the configuration for the 'BPC' template, which is used for 'Customers'. The 'Header' section includes fields for Object (BPC), Function (GESBPC), Module (Common Data), Activity code, Access code, and Standard script (IMPBPC). The 'Export' section has a 'Sequence no.' field set to 1. The 'Import' section has checkboxes for 'Import', 'Update allowed', 'Data store', 'Special import', and 'Workflow'. The 'Structure' section includes 'File Type' (ASCII (2)), 'Field Separator' (comma), 'Record Separator' (newline), 'Field Delimiter', and 'File format' (ASCII). The 'Compiling' section includes 'Character Set' (ISO 8859), 'Decimal Separator' (period), 'Date Formats' (YYYYMMDD), and 'Local Menu Format'. The 'Identifiers' section is empty.

I will give a very quick 30 second intro of the main sections, then will go straight into doing an export.

Navigate to Usage, Imports/Exports, Exports (GEXPOBJ)

The screenshot shows the 'Export' configuration page in Sage X3. The 'Template' dropdown is set to 'BPC'. The 'Chronologically' checkbox is checked. The 'File generation' section has 'Client' selected. The 'Range' section shows a table with columns 'Field', 'Starting', and 'Ending'. The 'Criteria' section shows a table with columns 'Tables' and 'Selection Criterion'. The 'Tables' table lists BPCUSTOMER, BPARTNER, BPADDRESS, and BPDIVCUST. The 'Selection Criterion' for BPCUSTOMER is 'BPCTYP<=4'. The '7 Results Display: 10' is shown at the bottom right.

First will show a Non-chrono export, for GB to GC selection, save into "D:\SageSupport\ExportFiles\BPC.export" file. Show the output file in notepad++: point out the delimiters, the section prefix letters (i.e., combination of B, A, D, C) Then go back to the Import/Export templates to explain what it all means.

Navigate back to Parameters, Usage, Imports / Exports, Import/Export templates (GESAOE)

First copy BPC to ZBPC and edit ZBPC

Header

General: Function – initialises context and checks access rights (same as screen function)

Import: **Changes to make :** select “Data Store” checkbox (this will be demonstrated later) “Special Import” basically means the updates are controlled by code, not by the supervisor – i.e. code will need to be written for this import to work. “Workflow” if unchecked will disable any WF events related to creation or modification. Useful if doing bulk updates so as not to generate lots of WF messages.

Structure: File types, see online help at https://online-help.sageerpx3.com/erp/12/wp-static-content/static-pages/en_US/FCT/GESAOE.htm#MIS_110_60 for more details

ASCII(1): All fields have separator between them, all records on single line

ASCII(2): All fields have separator between them, record separator is used

Delimited: All fields have separator between them, character fields are delimited, record separator is used.

Fixed length: All fields are defined as specific length. Can have a record separator or not.

XML: XML formatted

Flat: Export/import with one line per record.

With header: as above, but has field names as header (Export only)

Compiling: Local Menu Format defines how to use local menus.

Identifiers: This section is only needed if you are importing/exporting more than one table. Each line is associated with one table, first one is main table. Subsequent lines define links to other tables, like a parent child relationship. (Exports are more lenient than imports, which can only use tables updated by the object) “Flag” is arbitrary character string, up to 20 characters, used as group identifier in the fields grid.

In this example, BPCUSTOMER is main table (level 1), and the others are all linked to it with a 1-many relationship, so the remainder are therefore all defined as level 2.

Tables need to be linked to the main table or related tables (Discussed in help) Will do automatic links.

Fields (Things to point out)

Some columns are only relevant for certain file types.

- Position, length and format for fixed-length format only.
- Pattern, Tag, mandatory for XML format only.

The “/” is mandatory to indicate start of a group when using ASCII

Range=Yes means this field is available for range selection when exporting.

TSCCOD(0) – multi dimensional fields, need to be specified individually (or assumes the first one)

Changes to make: Line 17 PTE: table no 500 for transcription to take effect

*71-78 etc. These are special fields to use and are controlled by specific code. (For BPC object it is to do with importing text into the customer file)

Show online help <https://online-help.sageerpx3.com/erp/12/staticpost/import-export-template/> and go to end to point out the two further help references. Also refer to the “**Standard templates supplied**” help section which then points to https://online-help.sageerpx3.com/erp/12/wp-static-content/static-pages/en_US/OBJ/AOE_0.htm then common tables, BPC. Also show the GIMP variables online help at https://online-help.sageerpx3.com/erp/12/wp-static-content/static-pages/en_US/FCT/GES_AOE2.htm

Other types of field: Can enter static text in double quotes, or formula preceded with equals sign (e.g. “=datetime\$”) These are ignored for imports.

File generation section

Changes to make: Select “Server”

Data file: can include “#” character which indicates a 5-digit sequential number, if using Chronologically flag for export or importing.

Click “Save”, then “Validation”

Buttons

Show “Export” button, which is the defaults for the export selection

Changes to make: Add GB to GC as default

ADDITIONAL EXAMPLES SHOWN LATER ON

Exporting data to a file

Navigate to Usage, Imports / Exports, Export (GEXPOBJ)

Show Output from “D:\SageSupport\BPcustomer.sql”

SQLQuery1.sql - X...QLVMv3admin (59)"

```
SELECT [EXPNUM_0], BPCCTYP_0,
FROM [SEED].[BPCUSTOMER]
where BPCNUM_0 like 'GB%' and BPCCTYP_0 <> 4
order by 1 desc
```

100 %

	EXPNUM_0	BPCCTYP_0	UPDTICK_0	BPCNUM_0	BPCNAM_0	BPCSHO_0	BCGGOD_0	GRP_0	BPCCTYP_0	BPCINV_0	BPAINV_0	BPCPYR_0	BPAPYR_0	BPCGRU_0	BPCRSK_0	BPAADD_0	BPDADD_0
1	59	1	15	GB101	International Distributors Ltd.	Indis	GB	GB01	1	GB101	CORP	GB101	CORP	GB101	GB101	CORP	CORP
2	59	1	1	GB100	International Distributors Ltd.	Indis	GB	GB01	1	GB100	CORP	GB100	CORP	GB100	GB100	CORP	CORP
3	58	1	2	GB001	International Distributors Ltd.	Indis	GB	GB01	1	GB001	CORP	GB001	CORP	GB001	GB001	CORP	CORP
4	33	1	1	GB002	Amalgamate Supply plc	Amalgamate	GB	GB01	1	GB002	CORP	GB002	CORP	GB002	GB002	CORP	CORP
5	33	1	1	GB003	Fun Times Stores (London) Ltd	FunTimes	GB	GB01	1	GB003	ST001	GB003	ST001	GB003	GB003	ST001	ST003
6	33	1	1	GB004	Sports Leisure Limited	Leisure	GB	GB01	1	GB004	ST001	GB004	ST001	GB004	GB004	ST001	ST001
7	33	1	1	GB005	Johnson & Brothers Wholesale	JohnWhole	GB	GB01	1	GB005	CORP	GB005	CORP	GB005	GB005	CORP	CORP
8	33	1	1	GB006	Sysco Supply Systems Limited	Sysco	GB	GB01	1	GB006	CORP	GB006	CORP	GB006	GB006	CORP	CORP
9	33	1	1	GB007	Williams & Son Distribution Ltd	Williams	GB	GB01	1	GB007	CORP	GB007	CORP	GB007	GB007	CORP	CORP
10	33	1	1	GB008	Aldemans PLC	Aldemans	GB	GB01	1	GB008	ST001	GB008	ST001	GB008	GB008	ST001	ST003
11	33	1	1	GB009	ABC Industrial	ABCIndus	GB	GB01	1	GB009	CORP	GB009	CORP	GB009	GB009	CORP	CORP
12	33	1	1	GB010	Dayton Marshall plc	DayMarsh	GB	GB01	1	GB010	CORP	GB010	CORP	GB010	GB010	CORP	CORP
13	33	1	1	GB011	Co 10 Intercompany	Co 10	GB		1	GB011	AD1	GB011	AD1	GB011	GB011	AD1	AD1
14	33	1	1	GB012	Bike & Toy Products (London) Ltd	NA Bike	GB		1	GB012	AD1	GB012	AD1	GB012	GB012	AD1	AD1
15	33	1	1	GB014	Mtsu Manufacturing	MtsuMfg	GB	GB01	1	GB014	CORP	GB014	CORP	GB014	GB014	CORP	CORP

Select ZBPC template

Do an export with Chronology unchecked. Note the defaulting File generation, Range and Criteria have taken effect. Enter Data file name manually "[EDIEXPORT]/ZBPC.export"

All > Usage > Imports / Exports

Export

Template *
ZBPC

Customers

☐ Chronologically

File generation

☐ Client ☒ Server

Data file
[EDIEXPORT]/ZBPC.export

Range

	Field	Starting	Ending
1	Customer	GB	GC
2			

Criteria

	Tables	Selection Criterion
1	BPCUSTOMER	BPCCTYP<>4
2	BPARTNER	
3	BPADDRESS	
4	BPDLCUST	

Then run a chronology export (show SQL output)

Edit customer, redo export

Point out the CHQ transcription

NOTE: Export filename is not overwritten for batch exports, so need to manage the files

Importing data from a file

Copy “ZBPC00001.import” file to D:\Sage\X3ERP12\Folders\SEED\EDI\IMPORT

Navigate to Usage, Imports / Exports, Import (GIMPOBJ)

Add “/ZBPC#” to the data file default

Use TEST button, shows each identifier block (group) as you click OK through each one

Click OK to import, this works OK (Modified record as it already exists)

```

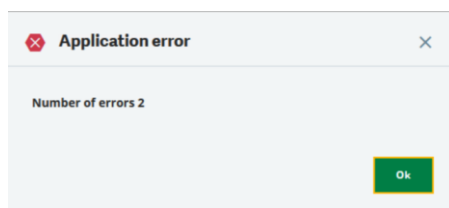
22/12/22 14:15:24 (ADMIN) Importing ZBPC
-----
1 :
2 : Table import [EDIIMPORT]\ZBPC00001.import
3 :
4 : ----- Record no. 1 (Line number 1)
5 : Modify the contact (relationship) : : 0000000000000098
6 : Modify the Outlook contact : : C0R000000000000239
7 : Modify the Outlook contact : : C0R000000000000230
8 : Modify the Outlook contact : : C0R000000000000247
9 : Modify the Outlook contact : : C0R000000000000246
10 : Update of GB100
11 : -----
12 : Workflow rule processing TEST Object
13 : -----
14 : Reference table BPCUSTOMER : Key = GB100
15 : [F:BPC]OSTAUZ->[M:BPC2]WOSTAUZ
16 : Header condition not met
17 : -----
18 :
19 : 1 Records modified
20 :
21 : Normal end of log file 22/12/22 14:16:26
22 :
  
```

Correcting rejected records

Setup an error condition by copying “D:\Sage\X3ERP12\Folders\SEED\EDI\ARCHIVE” file back to the IMPORT directory, rename to “ZBPC00002.import” then edit the file, change first GB100 value to null.

Run the import again, ensuring “Import/export storage” is checked

This now errors



All > Usage > Imports / Exports

Log reading F39700

	22/12/22 14:20:29 (ADMIN) Importing ZBPC
1	-----
2	Table import [EDIIMPORT]\ZBPC00002.import
3	-----
4	----- Record no. 1 (Line number 1)
5	Field BPCNUM : Mandatory field (Line number 1)
6	Field BPCPYR : Mandatory field (Line number 1)
7	Batch : 2022/12-001, Create recording : 1
8	-----
9	1 records rejected
10	-----
11	End of log file error 22/12/22 14:20:30
12	-----

Show ERROR directory where there is file created error, IMPORT is now empty due to my default directory settings.

Navigate to Parameters, Usage, Imports / Exports, Import/Export storage (GESAWO)

Add, delete or correct as needed. In this case change BPCNUM to GB100, save, then click “Export” to re-create the import file

The screenshot shows the Sage X3 'Import/export storage' interface. At the top, there's a header with 'Sage X3' and user roles. Below it, a table lists import/export records. The table has columns for 'Lot No', 'Template', 'Description', 'Lines', and 'Text file'. The 'Lines' column contains a list of codes (e.g., BPCUSTOMER, BPDADD, CUR, CRN, NAF, EECNUM, BPCINV, VACBPR, PTE, ACCCOD, TSCCOD(0), TSCCOD(1), OSTAUZ, COMCAT) and their corresponding descriptions (e.g., Ship-to Customer Address, Currency, Co. Reg. No., SIC code, Intraco VAT no, Bill-to, Tax Rule, Payment Terms, Accounting code, Statistical Group, Statistical Group, Authorized Credit, Commission Category). The 'Text file' column shows file names like 'CORP', 'GBP', 'CRT', 'NAF', 'A', 'GB1000011122', 'GB100', 'DMG', 'CHQ', 'LOCAL', '400', '700', '500000', and '1'. Below the table, there's an 'Export' dialog box. In the 'File' section, the 'Destination type' is set to 'Server' (radio button selected). The 'Data file' path is 'D:\Sage\X3ERP\12\Folders\SEED\EDIN\IMPORT\ZBPC00003.import'. The 'Export' button is highlighted in green.

Re-do the import and this time it will work OK

I don't have to do the above steps to correct records, as I have access to the file system and can just edit the files directly with Notepad or whatever, but not all users will have this ability so this gives them the ability to make changes to the source file if needed.

Additional examples of import/export templates

ZBPCXML: example of XML with static text and function being used

Fields

Fields

7 Results Display: 25

	Flag	Table	Field	Range	Position	Len...	Format	Pattern	Tag	Mand...	Ta
1	ZCUST	BPCUSTOMER	BPCNUM	Yes					BPC_BPCNUM	Yes	
2	ZCUST	BPCUSTOMER	BPCNAM	No					BPC_BPCNAM	No	
3	ZCUST	BPCUSTOMER	TSCCOD(0)	No					BPC_TSCCOD_0	No	
4	ZCUST	BPCUSTOMER	TSCCOD(1)	No					BPC_TSCCOD_1	No	
5	ZCUST	BPCUSTOMER	"Export only"	No					BPC_STD_TEXT	No	
6	ZCUST	BPCUSTOMER	-datetime\$	No					BPC_DATE	No	
7	ZCUST	BPCUSTOMER	CUR	No					BPC_CUR	No	
8											

ZBPCFIXED: example using fixed format

Fields

Fields

	Flag	Table	Field	Description	Range	Positi...	Len...	Format	Pattern	Tag
1	A	BPCUSTOMER	BPCNUM	Customer	Yes		1	15		
2	A	BPCUSTOMER	BPCNAM	Company Name	No		16	35		
3	A	BPCUSTOMER	OSTAUZ	Authorized Credit	No		51	20 >20.0*		
4	A	BPCUSTOMER	BPCSTA	Active	No		97	3 >		
5										

ZBPCFLAT: example of flat format

Identifiers

Identifiers

	Level	Flag	Table	Key	Link	Length
1		1 CUSTOMER	BPCUSTOMER	BPC0		
2		2 ADDRESS	BPADDRESS	BPA0	1:BPCNUM	
3						

Fields

Fields

8 Results Display: 25

	Flag	Table	Field	Description	Range	Position	Leng...	Format	Pattern	Tag	Mand...	Table no.
1	CUSTOA	BPCUSTOMER	BPCNUM	Customer	Yes							
2	CUSTOA	BPCUSTOMER	BPCNAM	Company Name	No							
3	CUSTOA	BPCUSTOMER	CUR	Currency	No							
4	CUSTOA	BPCUSTOMER	BCGCCD	Category	No							
5	CUSTOA	BPARTNER	VATNO	VAT number	No							
6	CUSTOA	BPARTNER	ACCCOD	Accounting code	No							
7	ADDRES	BPADDRESS	BPAADDLIG	Address Line	No							
8	ADDRES	BPADDRESS	CRY	Country	No							
9												

ZBPCHEADER : example of "with header" format

Same as above, except the file type

ZBPCMENU: Local menu example

All > Parameters > Usage > Imports / Exports

Import/Export template

Validation Copy Export

Header Fields

Character Set: ISO 8859 Decimal Separator: . Date Formats: 4 Q YYYYMMDD Local Menu Format: 12 Q First charac

Identifiers

Level	Flag	Table	Key	Link	Length
1	B	BPCUSTOMER	BPC0	1:BPCNUM	
2	A	BPADDRESS	BPA0		
3					

Fields

Fields

25 Results Display: 20

Flag	Table	Field	Description	Range	Position	Leng...	Format	Pattern	Tag	Mand...	Table no.
1	B	BPCUSTOMER	/	No			0				
2	B	BPCUSTOMER	BPCNUM	Customer	Yes		0				
3	B	BPARTNER	BPRNAM	Company Name	No						
4	B	BPCUSTOMER	BPAADD	Default Address	No						
5	B	BPCUSTOMER	BPDADD	Ship-to Customer Address	No						
6	B	BPCUSTOMER	CUR	Currency	No						
7	B	BPARTNER	CRY	Country	No						
8	B	BPARTNER	CRN	Co. Reg. No.	No						
9	B	BPCUSTOMER	VACBPR	Tax Rule	No						
10	B	BPCUSTOMER	PTE	Payment Terms	No						
11	B	BPCUSTOMER	TSCCOD(0)	Statistical Group	No		0				
12	B	BPCUSTOMER	TSCCOD(1)	Statistical Group	No		0				
13	B	BPCUSTOMER	BCGCO	Category	No						
14	B	BPCUSTOMER	BPCPYR	Pay-by	No						
15	B	BPCUSTOMER	ABCLLS	ABC Class	No						
16	B	BPCUSTOMER	OSTCTL	Credit Control	No						
17	A	BPADDRESS	/				0				
18	A	BPADDRESS	BPAADD	Address	No		0				
19	A	BPADDRESS	BPADES	Description	No		0				
20	A	BPADDRESS	BPAADDLIG(0)	Address Line	No						

File operation

Importing single line files

There are sometimes different ways to import files like CSV format files. These days you can import pretty much any file format, e.g. for single line file you can use “ASCII(1)” or “Flat” file format, for example; however there are other options described below which may be useful in certain circumstances.

Single line files conversion

Navigate to Usage, Imports / Exports, Single line files conversion (AIFIMPGENFIC)

Will convert a single-line comma-separated values (CSV) file format to a CSV file format with multiple lines. The resulting output file is a multi-line CSV files, which can then be used as the input file for a Sage X3 import.

The online help at https://online-help.sageerpx3.com/erp/12/wp-static-content/whitepapers/en_US/common%20data/Import%20single%20line%20files/Content/How-to%20guides/Common%20data/Import%20Single%20Line%20Files/T1_Importing_Single_Line_Files.htm gives some more detailed guidance.

Also see <https://online-help.sageerpx3.com/erp/12/staticpost/single-line-files-conversion/>

Single line files conversion

Structure

Field Separator: , Record Separator: 1013610 File format: ASCII

Source

Client (selected) Server

Data file: [empty]

Destination

Data file: [empty]

Running this process on a file formatted as shown on the left, results in the file on the right. The resulting file can then be used as source file for import using standard import templates. See examples in D:\SageSupport\SingleLine

SourceTest1.csv	SourceTest1.csv.out
1 H:B;;A;;A;;END	1 B:FR001;
2 C;;Supplier Code;;Address;Address line;;Address;Address line	2 A:1;Nantes;
3 :B:FR001;A:1;Nantes;A:2;New York	3 A:2;New York;
4 :B:FR002;A:1;Paris;A:2;Barcelona	4 B:FR002;
5	5 A:1;Paris;
	6 A:2;Barcelona;
	7

Table setup/import

Separate from the previous option, you can configure a two-stage file conversion process for importing single line files. The first step converts a single line file format into a new file with the same format as needed by a predefined X3 import process. The second step is to run a normal import using the converted file.

Navigate to Parameters, Usage, Imports / Exports, Table setup/import (GESAEV)

<https://online-help.sageerpx3.com/erp/12/staticpost/table-setupimport/>

For example, source file is:

1	GB504;A B Bloggs;CORP;CORP;GBP;GB;;DMG;CH30NET;400;700;GB;GB504;CORP;Corporate;15 George Street;;;W1U 3QS;LONDON;GB
2	GB505;A Supplies plc;CORP;CORP;GBP;GB;;DMG;CH30NET;300;710;GB;GB505;CORP;Corporate;Hagley Road;;;B16 8LA;BIRMINGHAM;GB
3	

Setup normal import template, for example ZBPCSING

Fields												
Fields												
	Flag	Table	Field	Description	Range	Position	Leng	Format	Pattern	Tag	Mand	Table no.
1	B	Q	BPCUSTOMER	/	No		0	Q				Q
2	B	Q	BPCUSTOMER	BPCNUM	Yes		0	Q				Q
3	B	Q	BPARTNER	BPRNAM	No			Q				Q
4	B	Q	BPCUSTOMER	BPAADD	No			Q				Q
5	B	Q	BPCUSTOMER	BPDADD	No			Q				Q
6	B	Q	BPCUSTOMER	CUR	No			Q				Q
7	B	Q	BPARTNER	CRY	No			Q				Q
8	B	Q	BPARTNER	CRN	No			Q				Q
9	B	Q	BPCUSTOMER	VACBPR	No			Q				Q
10	B	Q	BPCUSTOMER	PTTE	No			Q				Q
11	B	Q	BPCUSTOMER	TSCCOD(0)	No		0	Q				Q
12	B	Q	BPCUSTOMER	TSCCOD(1)	No		0	Q				Q
13	B	Q	BPCUSTOMER	BCGCOO	No			Q				Q
14	B	Q	BPCUSTOMER	BPCPYR	No			Q				Q
15	A	Q	BPAADDRESS	/	No		0	Q				Q
16	A	Q	BPAADDRESS	BPAADD	No		0	Q				Q
17	A	Q	BPAADDRESS	BPADES	No		0	Q				Q
18	A	Q	BPAADDRESS	BPAADDLIG(0)	No			Q				Q

In Table setup/import then create a new entry, based on ZBPCSING import template

General: Break section: Break field is the field number from the lines that defines the first field of that section. For standard X3 header/detail templates, this will correlate to the field number with the “/” group separator character. The last group can be left blank.

Lines: Fields section: the fields from the X3 template are listed. For the X3 template fields that are being populated from the input file, enter the field number from the source file – the source fields can be in a different order from the target. You can also use conditions (based on the source field value), initialise allows calculations to be carried out on the source value before being written. Table no. allows for transpositions.

All > Parameters > Usage > Imports / Exports

Table setup/import [Execution] [Copy]

General Lines

Code * ZBPC Description BPC conversion [Active]

Import/Export template * → ZBPCSING

BPC single line

File to convert

File to convert [] File format UTF-8

Destination file

Destination file []

Break

	Code	Level	Table	Break field
1	B		1 BPCUSTOMER	1
2	A		2 BPADDRESS	15
3				

Fields

23 Results Display: 25

	Code	File	Field	Comment	Field no.	Condition	Initialisation	Mandatory field	Table no.
1	B	BPCUSTOMER	/						
2	B	BPCUSTOMER	BPCNUM	Customer	1			No	
3	B	BPARTNER	BPRNAM	Company Name	2			No	
4	B	BPCUSTOMER	BPAADD	Default Address	3			No	
5	B	BPCUSTOMER	BPDADD	Ship-to Customer Add	4			No	
6	B	BPCUSTOMER	CUR	Currency	5			No	
7	B	BPARTNER	CRY	Country	6			No	
8	B	BPARTNER	CRN	Co. Reg. No.	7			No	
9	B	BPCUSTOMER	VACBPR	Tax Rule	8			No	
10	B	BPCUSTOMER	PTE	Payment Terms	9			No	
11	B	BPCUSTOMER	TSCCOD(0)	Statistical Group	10			No	
12	B	BPCUSTOMER	TSCCOD(1)	Statistical Group	11			No	
13	B	BPCUSTOMER	BCGCOD	Category	12			No	
14	B	BPCUSTOMER	BPCPYR	Pay-by	13			No	
15	A	BPADDRESS	/						
16	A	BPADDRESS	BPAADD	Address	14			No	
17	A	BPADDRESS	BPADES	Description	15			No	
18	A	BPADDRESS	BPAADDLIG	Address Line	16			No	
19	A	BPADDRESS	BPAADDLIG	Address Line	17			No	
20	A	BPADDRESS	BPAADDLIG	Address Line	18			No	
21	A	BPADDRESS	POSCOD	Postcode	19			No	
22	A	BPADDRESS	CTY	City	20			No	

Table structuring/import

Navigate to Usage, Imports / Exports, Table structuring/import (IMPORTV3)

<https://online-help.sageerpx3.com/erp/12/staticpost/table-structuringimport/>

Run an import using the template configured in the above process

All > Usage > Imports / Exports

Table structuring/import [OK] [] [X]

Code * → ZBPC [Import]

BPC conversion

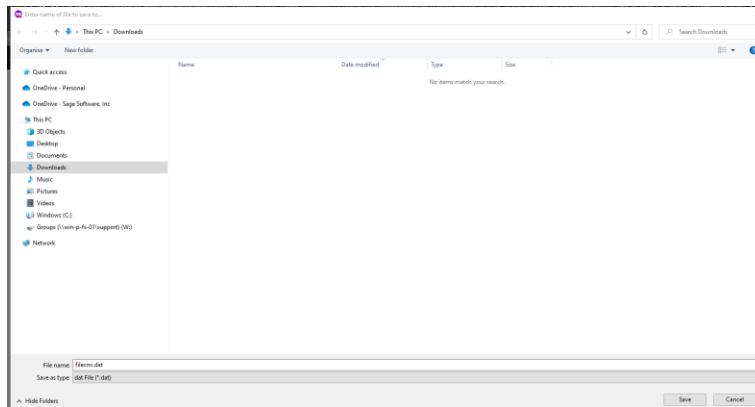
File to convert

File to convert []

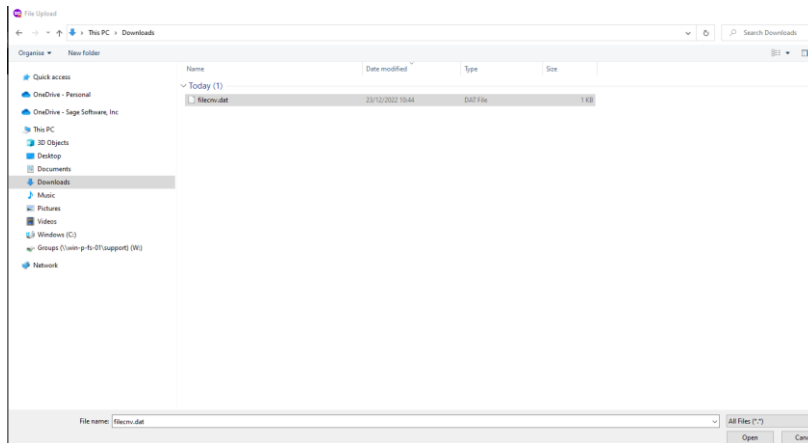
Destination file

Destination file []

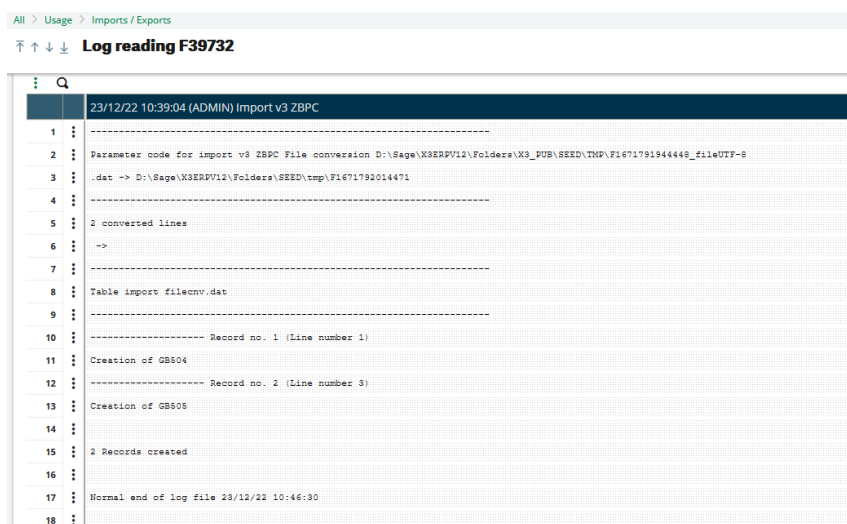
Raw file is first uploaded to “D:\Sage\X3ERP\12\Folders\SEED\tmp” with same filename as the original source, then this gets renamed to random filename once processed. The processed file is temporarily written into the “D:\Sage\X3ERP\12\Folders\SEED\tmp” directory, and user is asked where to store the processed file with default “filecnv.dat” filename.



You then need to manually select the converted file from the same location



If you checked the “Import” box, the converted file is then processed by the normal X3 import and you see the results.



This is a lot of manual interaction, so may be better to set the destination file to a directory on the server, so there is less user interaction.

NOTE: Seems to be a bit of an issue if you try to just change to a server file in the import process itself. Was only working for me by changing the Table setup/import configuration.

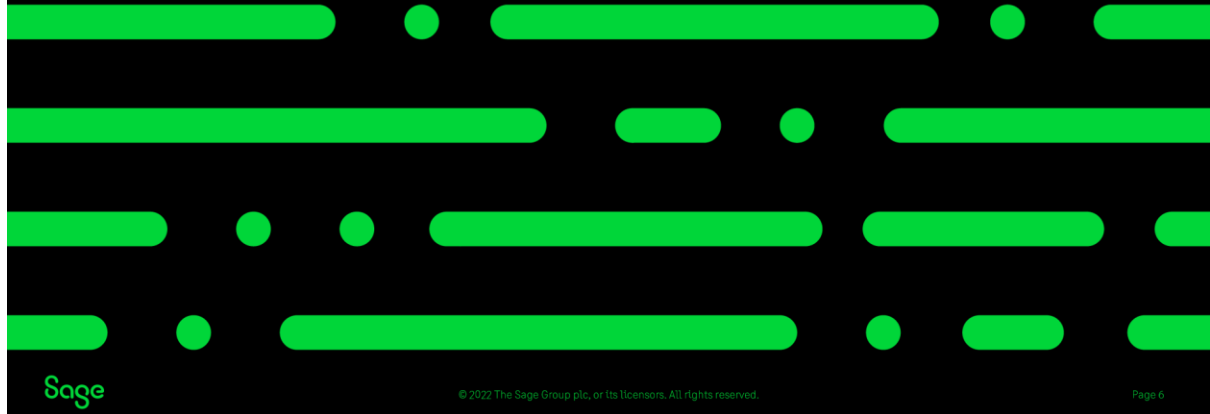
So, the question is, why do I need to convert the file at all... can I not just directly import the source file directly into X3 using Import template? Well, yes you can, at least for my simple example...

Create new import template ZBPCFLTSIN as a copy of ZBPCSING. Change the File Type to "Flat" and remove the "/" group separator fields. This allows direct import of the same source file "BPC.csv" without doing any intermediate conversion.

For multiple addresses, need to repeat the header section as shown in example file "MultipleAddresses.csv"

```
MultipleAddresses.csv
1 GB501;Starship Enterprises PLC;ST001;A5091;GBP;GB;;DMG;CH30NET;200;700;GB;GB501;A0591;Corporate;12 Baker Street;;W1U 7RT;LONDON;GB
2 GB501;Starship Enterprises PLC;ST001;A5091;GBP;GB;;DMG;CH30NET;200;700;GB;GB501;A0592;Manchester;34 Church Street;;M4 1PW;MANCHESTER;GB
3 GB501;Starship Enterprises PLC;ST001;A5091;GBP;GB;;DMG;CH30NET;200;700;GB;GB501;A0593;Newcastle;132Percy Street;;NE1 7RS;NEWCASTLE UPON TYNE;GB
4
```

Appendices



Online help

The online help is extensive and very useful, so well worth paying attention and reading thoroughly!

- [Importing single line files](#)
- [Export](#)
- [Import/Export templates](#)
- [Specific Import/Export template help](#)
- [Import/Export templates: Technical appendix](#)

Knowledgebase articles

- [Customer Service Request import](#)
- [How can I import dimensions to Miscellaneous Issues using the SMO import template?](#)
- [Importing Sales Order Ship-To-Address](#)

Blogs

- [Trouble with the same records exporting over and over? Chrono management to the rescue!](#)
- [How to import Fixed assets?](#)
- [How to import expenses?](#)
- [How to import physical assets and attach it to an asset?](#)

Thank you!



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