

PxEdit 4.0

Yerevan, November 12th, 2019

PX-Edit → PxEdit

Internal changes

- The **dash** had to go
 - the change affected application names, documentation, directory names, token names in ini files, ...
- Temporary file handling has been renewed
 - large (and sparse) tables will be more efficient to handle
- **PX-Map** support has been removed
- 64-bit version uses a special memory and time saving loading mechanism (*“shared code files”*)
 - uses files denoted by 64 (e.g. PxEdit64_40.paq)
 - paq files cannot be updated if somebody is using them ☹

New features

- Enhanced structural file format
 - keyword blocks
 - multilingual tables
 - hierarchy levels
- Variable splitting
- Enhanced Excel worksheet/workbook functionality
- Save as html table
- *BIG5* (codepage 950) support
 - Taiwanese character coding

New settings

- `pxweb_version` dash removed
- `default_user_level` for new users
- `keyword_block` structural file saving option
- `file_timestamp` update/keep/set file timestamp
- `bypass_baselanguage` textual metadata copying from base language
- `big5_conversion` enable the BIG5 conversion
- ...

Miscellaneous

- Settings menu rearranged
- Recognising extremely big data values
- *Edit/Find value* (Shift+Ctrl+f)
- *Window/Fit* (Shift+Ctrl+l)
- Ctrl+MouseWheel scrolls sideways
- Speedups, bug fixes

Help

- The **Documents** sub-menu contains terse RichText files (.rtf) which go through every feature in PxEdit and PxJob
 - perhaps they are not easy for the newcomers
- The **Tutorials** sub-menu contains several pdf files which (hopefully) will guide the user in various tasks
 - e.g. have a look at: `Introduction_to_structural_tables.pdf`
- New or updated features are shown in **green**

PX-Job → PxJob

New features

- Macro files (`.pxjob`)
- Overlapping switches removed (e.g. `!c ≠ -c`)
 - this made possible to add some new options
- Only the frequency code must be given for *TIMEVAL* in template files
 - PXJob will create the appropriate *TIMEVAL* if possible
- Output file name may be copied from *MATRIX* (or other suitable keywords)
 - `out=d:\path\:matrix`

New and changed options

- **-ju** combines the unique *SOURCE* keywords as a #-separated list
- Title creation has been retouched (**-t**)
- **!c** combine codes to value texts
- **!m** add **keyword block** (metadata) to the structural table
- **!u** set the file timestamp from *LAST-UPDATED* keyword
- **!h** add **hierarchy** codes to the structured table (if present)
- **!s** skip main **settings** file
- **!z** WinANSI to BIG5 conversion

Examples

Trilingual structural file with the keyword block

Test table	en,fi,sv																				
Age										20		30		40		50					
Information										id-01	id-99	id-01	id-02	id-99	id-01	id-02	id-99	id-01	id-02	id-99	
Information										import	other	import	export	other	import	export	other	import	export	other	
Information										tuonti	muuta	tuonti	vienti	muuta	tuonti	vienti	muuta	tuonti	vienti	muuta	
Information										import	annat	import	export	annat	import	export	annat	import	export	annat	
Region	Region	REGION	Region	Year	Gender	gender	Gender	Gender													
091	Helsinki	Helsinki	Helsingfor	2000	M	male	mies	man	111,11	111,13	111,21	111,22	111,23	111,31	111,32	111,33	111,41	111,42	111,43		What
					F	female	nainen	kvinn	112,11	112,13	112,21	112,22	112,23	112,31	112,32	112,33	112,41	112,42	112,43		
				2001	M	MALE	mies	man	121,11	121,13	121,21	121,22	121,23	121,31	121,32	121,33	121,41	121,42	121,43		
					F	Female	nainen	kvinn	122,11	122,13	122,21	122,22	122,23	122,31	122,32	122,33	122,41	122,42	122,43		
				2002	M	male	mies	man	131,11	131,13	131,21	131,22	131,23	131,31	131,32	131,33	131,41	131,42	131,43		
					F	female	nainen	kvinn	132,11	132,13	132,21	132,22	132,23	132,31	132,32	132,33	132,41	132,42	132,43		
				2003	M	male	mies	man	141,11	141,13	141,21	141,22	141,23	141,31	141,32	141,33	141,41	141,42	141,43		
					F	female	nainen	kvinn	142,11	142,13	142,21	142,22	142,23	142,31	142,32	142,33	142,41	142,42	142,43		
564	Oulu	Oulu	Uleåborg	2000	M	male	mies	man	211,11	211,13	211,21	211,22	211,23	211,31	211,32	211,33	211,41	211,42	211,43		
					F	female	nainen	kvinn	212,11	212,13	212,21	212,22	212,23	212,31	212,32	212,33	212,41	212,42	212,43		
				2001	M	male	mies	man	221,11	221,13	221,21	221,22	221,23	221,31	221,32	221,33	221,41	221,42	221,43		
					F	female	nainen	kvinn	222,11	222,13	222,21	222,22	222,23	222,31	222,32	222,33	222,41	222,42	222,43		
				2002	M	male	mies	man	231,11	231,13	231,21	231,22	231,23	231,31	231,32	231,33	231,41	231,42	231,43		
				2003	M	male	mies	man	241,11	241,13	241,21	241,22	241,23	241,31	241,32	241,33	241,41	241,42	241,43		
					F	female	nainen	kvinn	242,11	242,13	242,21	242,22	242,23	242,31	242,32	242,33	242,41	242,42	242,43		
languagecode	sv	fi	fi			en		en													
CONTENTS	Rubrik	Taulukon otsikko																			
STUB	Region,Är,Sex	Alue,"Vuo,si"																			
HEADING	Älder,Information	Sukupuoli, Ikä, Tiedot																			
variablename			Alue			Information	Year	Age													
valuetext																					50
SOURCE						Statistics Bulvania															
LAST-UPDATED						20001224 09:00															
NOTE			aluemuuttujan alaviite			made-up classification															
TIMEVAL						A															
VALUENOTE																					still going strong

PxJob macro file (demo.pxjob)

```
; The demo script: first we run three reports from the old database
;                      then we join the files in a new database as multilingual files

[run reports]
; English database report
; _s    = sub-directories
; _len  = English language

report in="Bulletin of Statistics" out=\reports\bulletinofstatistics.csv log=\logs\bos.log path=d:\demo\ -s -len

; Swedish database report
report in="Bulletin of Statistics" out=\reports\statistisköversikt.csv log=\logs\bos.log path=d:\demo\ -s -lsv

; Finnish database report
report in="Bulletin of Statistics" out=\reports\tilastokatsaus.csv log=\logs\bos.log path=d:\demo\ -s -lfi

[combine databases]
; Make a trilingual database
; -jnm      = join, do not match names (m), files with language codes in names (n)
; -lfi,sv,en = languages in given order
; !w        = write other files, too

in="Bulletin of Statistics" out=\tilastokatsaus\ log=\logs\bosdb.log path=d:\demo\ -s -jnm -lfi,sv,en !w
```