Hdb2Win

Database Program Release 2.4.1 (May 2018)

Application PaleoTax Service Release 14
Application PalCol Service Release 6

Introduction

This file describes the modifications compared to program release 2.4.0. Please compare also to documentations on older program versions. Version 2.4.1 is a small release that encompasses mainly the correction of errors, and some more funcionality of the system. Higher screen resolution and the tendency that screens mostly grew in width resulted in more display options.

Hdb2Win

Installation

You will download only one file – hdb241xx.exe – that contains the installation program and all the files you need to work with Hdb2Win and applications (xx stands for the built). This file includes the database program, the structures of the applications PaleoTax SR14 and PalCol SR6, and the supporting programs PaleoTax/Graph and PaleoTax/Map. Start the installation program – hdb241xx.exe. You probably should have administrator rights to do so. If you want to work with the application PaleoTax you should at least install „PaleoTax / Database (Hdb2Win)" and „PaleoTax Structure Files". Documentation files will not be installed; please download them separately from the documentation page (http:// www.paleotax.de/pvn10.htm). A previously installed version does not require un-installation. If you want to do so, use the functionality of the operating system (Start / Control / Programs) uninstalling former versions. Uninstall removes only the program, but not configuration files stored in 'c:\Users\ <username>\AppData\Roaming\Hdb2Win'. Uninstall does not remove your databases. The installation of PaleoTax Service Release 14 (PalCol SR 6) does not require the installation of Hdb2Win 2.4.1 before.

Options

The amount of options is increasing with every new version because users are requesting for multiple changes, new features and new options. Because I do not know whether other users agree with these changes, these extras are programmed but are switched off per default. Users like when the front-end of programmes, e.g. the appearance to the user, changes as little as possible from version to version. It can be therefore important to read this chapter since it can be that there is a feature installed that you always have desired.

For the options saved in the HDB2WIN.DAT see the Manual provided for version 2.1 and the documentation files on later versions. Here, only new settings are reported. The current number refers to the functions SSYS and GSYS of the interpreter which have access to this values and is shown in the "Extended Options" function in brackets, as well as the INI TO command in the DB2 configuration files. The name of the setting has the form "Module : Name". The module name corresponds to the file card in the "Extended Options" function (see for details below the list).

129 Application : WriteFDV1	RTF Style Creator Version 2.0 writes also format files of version 1.0
130 File : AdmitLocalPrj	Admits local DB2 files. This option cannot be globally modified, only in DB2 files. Be very careful with this option. It makes only sense when multiples databases are used that have access through the pool path. If for instance a database have access to the table of

publications that is stored in a pool path, a local DB2 may reduce the number of interconnected tables that are opened.

131 Edit (Form) : AddjustBoxLH	Addjusts the line height of lists. Set your preferred form size and look if distance of lines in the lists is too large or too small. You can also modify this in Application library/Options/Display/Adapt line height (Lists).
132 Application : MapXSize	Width of the map when called from in PaleoTax.
133 Application : MapYSize	Height of the map when called from in PaleoTax.

The function to modify these values it behind the button 'Extended Options' which is placed in Application library/Options/Tools. The function opens a edit form with several cards, each for every group (module) of options. The small number in brackets corresponds to the consecutive option number. Just modify the values and press F12 or click on Save. Be careful modifying values; do not pass the indicated ranges. The program does not check anything. Any catastrophic changes can be 'undone' by deleting the file HDB2WIN.DAT in the 'c:\Documents and Settings\ <username>\ Application data\Hdb2Win' folder (Windows XP) or 'c:\Users\<username>\AppData\ Roaming\Hdb2Win' folder (Windows 7/8/10).

New functions

- ANSI(C-Var) converts a string into ANSI
- ASCII(C-Var) converts a string into ASCII
- DYEAR returns the year from a date value

Data input

- Font and font size of the text ("Memo") fields can modified during recording text.
- For the F7REPL command exist a new option: the value 10 defines that the field should be only replaced when the record was modified. Works only in the edit form.
- The function key F2 to insert a special symbol can be used in the text ("Memo") fields.

Data output

- When browsing in the command line, the width of each field can be defined, for example
      brow name!50,town!100,street!120

Images

To be more flexible in showing images in a designated area in the edit mask, a new object IMAGE is introduced. The declaration in the FRM file should be as following:

IMAGE   198,367,202,386,286,1

So the command IMAGE is followed by an ID number which must be 198 for the moment. The other numbers define the position and size in the format x-position, y-position, x-size, y-size, page. To get an image displayed, an enter procedure must exist that defines which image should be displayed. The below example is from the enter procedure of the table of Specimens (SPECMENS.ENT):

```
define     specm_ix,i
mov        specm_ix,recno
define     specm_fn,c
pob        dbpictur    ; picture of records must be part of the base
jne        img_end
pob        pictures    ; pictures must be part of the base
jne        img_end
file       specmens
mov        specm_fn,substr(filename,1,len(filename)-4)    ; make owner name
mov        specm_fn,substr(specm_fn,1,lpos('\',specm_fn)-
```

```
1)+'.'+substr(specm_fn,lpos('\',specm_fn)+1,100)
mov         specm_fn,substr(specm_fn,lpos('\',specm_fn)+1,100)
; - specm_fn = owner
file        dbpictur
reset
cmp         reccount,100      ; indexing is faster,
je          beginimg          ; when more records are available
index       dbrecord,~pcrec,u
reset
find        specm_ix
:beginimg
cmp         dbrecord,specm_ix
je          dbrfound
cmp         reccount,100
jae         img_end           ; when indexed leave here
jmp         skipimg           ; otherwise skip
:dbrfound
cmp         owner,specm_fn    ; check owner
jne         skipimg
cmp         pcrecord,0
jne         found
; - Possible request for a main image here
:skipimg
skip
jneof       beginimg
jmp         img_end           ; nothing found!
:found
; - show the image
IMG.TOC     imparam
IMG.SHOW    &pcrecord.pgraph  ; show image
:img_end
```

It could be easier to create a datafield with the image that should be shown. In this case the program would be much simpler:

```
cmp         myimage,''        ; field for the image
je          noimage
IMG.TOC     imparam
IMG.SHOW    &myimage          ; supposed myimage is the fieldname
:noimage
```

Textconverter

A new and more comfortable program is offered to create and modify the style sheets for RTF file conversion. See Application library/Options/Tools/Edit style sheets 2.0. The output format of the files used by the RTF text converter (TCV, FCH) has not been modified, but the format of the data files. Formerly they had FD as extension, now it is FDN. The new version of the program writes both files, if the option 129 Application : WriteFDV1 is set. Otherwise the program writes only the new version.

Interpreter

- The function key F2 to insert a special symbol can be used in the editor of the interpreter.
- With Ctrl-Qt the current date can be inserted.
- A detailed description of the interpreter is available as PDF file (IP-1.pdf) from the manual page.
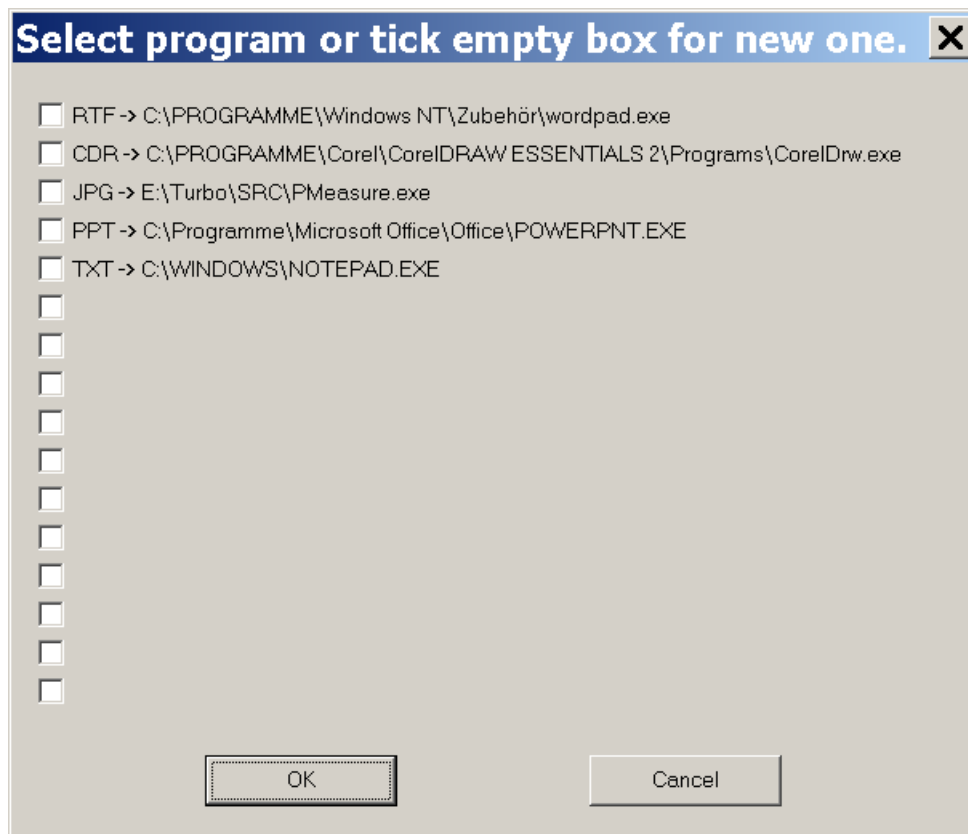
Applications

Screen formats

Hdb2Win still supports all historical screen formats starting with 600x800 pixels. As above mentioned, screens increased more in width than in height. Therefore, more screen formats are added to the list (Application library/Options/Display/Form size). You may also set the form size to the maximal possible size (Application library/Tools/Extended options/Edit (Form)/128). Futurely, the forms of applications (PaleoTax, PalCol) will be adapted to larger and wider screens (1024x1280 or 1024x1600). Data fields will be reduced in height to be able to show more fields at one page.

Options

- On the third file card (Application library/Tools/) is a new button "List of programs". Here it is possible to define which program should be started by the database depending on the file extension. When started the first time, the list is empty. Just tick an empty box and follow the questions. First you have to enter a file extension and then select the program.

Miscellaneous

- The function key F2 to insert a special symbol can be used in the search mask when formulating a condition.

Service Release

As always, it is recommended to make backup copies of your database before applying a Service Release, even if there is only a small amount of changes in the database sensu stricto. You will find the program SR14.PRF (for PaleoTax) in the folder 'c:\Documents and Settings\<username>\Documents\ Hdb2Win\PTX_SR14' (Windows XP) or 'c:\Users\<username>\Documents\Hdb2Win\PTX_SR14' (newer Windows versions) and SR6.PRF (for PalCol) in the folder 'c:\Documents and Settings\<username>\Documents\ Hdb2Win\PCL_SR6' (Windows XP) or 'c:\Users\<username>\Documents\Hdb2Win\PCL_SR6' (newer Windows versions). Load the file, start it, read carefully the instructions and answer properly the questions.

See also the separate file ServiceRelease.PDF (in English and German). User, who have installed Hdb2Win version 2.4.1 for the first time **do not need to do anything** since their structure is already on the level of PaleoTax SR14. The same applies to PalCol SR6. Both releases realize rather small modification.

Additional Information

- The printed manual for Hdb2Win version 2.1 is still valid for PaleoTax versions 2.2 up to 2.4. There are not too many changes since then, and practical everything new is documented in the PDFs on following program versions. Read the manual. Check the F.A.Q. Both answer most questions. Send question to the list server so other users are informed about probable bugs and problems.

- The following documents were published after the printed manual:
  info220.pdf
  info221.pdf
  info222.pdf
  info23.pdf
  info231.pdf
  info232.pdf
  info24.pdf
  info241.pdf

  Three different files describing the estimation of the database (analy_1.pdf, analy_2.pdf, analy_3.pdf).

  As a new document (IP-1.pdf) an extensive description of the Interpreter is provided.

  An instruction how to create new applications is available since version 2.4 (CB-11.PDF).

- Advice, wishes and comments are always welcome, also if I cannot realise them on the spot. They are not forgotten, but sometimes they demand structural or conceptual changes. Some are impossible to realise.