

Date: 2025-09-27

Patch Name: WNTK4HRB_UpgradepatchSummer2025_Build20250927.exe

This new **NTK-Framework Premium Edition v1.25P.7-Summer'25** is a major upgrade patch that concerns **NTK-Premium Edition v1.14P** and up.

Hence, it can be applied after **Setup_NTK_PREM_1.14P.0_Autumn14_Build20141018-0357.exe**, or after any other upgrade patch that could have been applied until now.

Special Notes & Recommendations:

A/ Prior to apply this patch, we strongly recommend you to make a backup copy of your C:\WNTK4HRB.

B/ This patch must be applied over your existing NTK platform: <C:\WNTK4HRB>

To do so, just follow steps below:

1. Run the **WNTK4HRB_v125P7_UpgradePatchSummer2025_Build20250927.exe** setup;
2. Select a temporary destination folder or keep on using with default setting;
3. Click the '**Start**' button for extracting files;
4. Open the destination folder previously choosen, Select all files & subfolders (Ctrl-A) - Copy the selection (Ctrl-C) - then, Move to your <C:\WNTK4HRB> installation and Paste the selection content over existing data (Ctrl-V).
5. That's it.

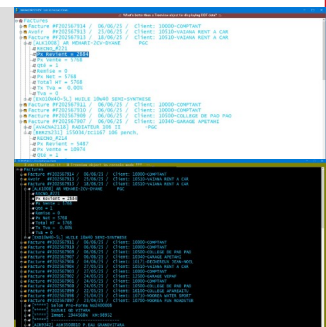
SO, WHAT'S NEW?

Just a few fixes and minor enhancements. See below.....
(news are listed directory by directory)

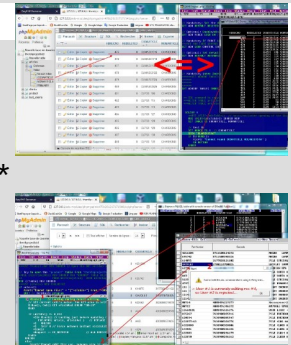
*****.\WNTK4HRB\CONTRIBS**

A couple of contributions have been added and several upgrades/changes/corrections proposed by their respective authors have been verified & applied. Acknowledgments to the contributors for their great work.

Contrib	Status	Purpose
..\OsverEx.Prg	Enh.	Demonstrates how to get & display repectively: O.S, NTK and xHrb version numbers.
..\AppTView\	New	A couple tutorials to illustrate how to handle & edit records & fields of a DBF Table as items & subitems within a TVIEW object. Both GUI and NOGUI PRGs are available.

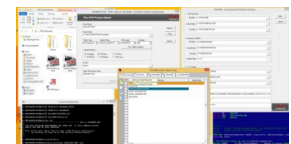


..\INTKADORDEX New Official LTS Contrib. The NTKAdoRDDEx is an open-source **R.D.D** for accessing SQL databases from [x]Harbour, using xBase standard commands/instructions (including indexes & locking schema). Essentially based on the famous Microsoft **ADODB** technology, NTKAdoRDDEx has been especially designed for (x)Harbour [R]DBMS, then adjusted to work with **NTKRad** (W32/64 full graphic) or **NTKNoGUI** (W32 console) library. NTKADORDEX should be considered as a modern replacement and a far more efficient solution than the older AdoRddNTK for handling SQL databases from your xBase applications.



..\INTKMKR BugFix Official LTS Contrib. The NTK Maker for Windows applications, win32-console programs and static libs.

We have fixed another tricky compilation bug occurring when .PRG file is referenced with a distant/network path (e.g X:\MyServer\MyPath\MySubPath\MyModule.Prg). The compilation was not always done and sometimes resulted in reporting an error like the following:
"Error 2194 Could not find file X:\MyServer\MyParh\MySubPath\MyModule.C" '. Find out more details in the changelog.txt.



..\OutLook New A basic, but powerful contrib that shows how to connect and exploit data from MS-Outlook calendar.

..\Petzold New This contrib purpose is to show how to program a NTK-App capable to control keyboard strokes and display resulting character & messages/events, using The Window's traditional manner. This is a NTK adaptation of the original KEYLOOK.C from the famous Petzold book: « Programming Windows Fifth Edition »

..\QRCODE New A set of tutorials that show how to generate your own QRcodes using the free QRCODELIB.DLL


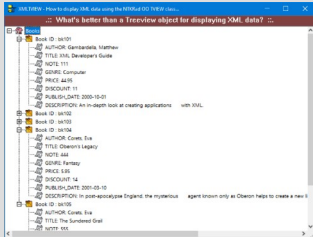


..\RMCHART New A powerful chartings & graphics library based on the free RMCHART.DLL
NTKNoGUI & full GUI tutorials included.



..\SOAP New A set of tutorials that aims to show how to consume web services from a NTK App.

..\WcomLib is now Deprecated. Superseded by the new WlibComm.

..\Wlibcomm\	New	New serial & communication library (extended version of the old Wcomlib) that also comes with its set of powerful WCommTools.	
..\XML\	Enh.	Minor enhancements in XMLVIEW.PRG/.EXE A series of basic tutorials that purpose is to explain how to extract a set of data from a XML or JSON file using the xHarbour XLM OO Class, and then manipulate it via a Treeview based upon the NTKTTVIEW OO Class.	

***.\WNTK4HRB\DOC\

This new v1.25P.7 comes with a bunch of new documentations, as well as corrections & improvements on existing manuals.

Status	Manual Name	Purpose
Enh.	NTK-Framework - Demo Installation&Configuration.pdf	Main tutorial for installing & configuring the whole NTK Development Platform.
New	NTK-Maker.pdf	Basic introduction to NTK-Maker – The Application & Library builder for Full GUI, Console and Semi-Graphic modes.
Enh.	NTKRAD.pdf	NTKRad Layer – xBase language: Commands & Functions for GUI mode, only.
Enh.	NTKTVIEW.pdf	NTK OO Class for creating Treeview objects
Enh.	NTKCORE_PART1.pdf	NTKCore Layer part I – Windows core APIs.
Enh.	NTKCORE_PART2.pdf	NTKCore Layer part II – Windows core APIs.
New	NTKAdoRDDEx.pdf	A new R.D.D.based on MS-ADODB technology, for accessing SQL databases via xBase standard commands/instructions. Provides support for both NTKRad (W32/64 full graphic) or NTKNoGUI (W32 console)
New	NTKdBU_v255.pdf	A brief introduction to new NTKdBU v2.55 – The Database manager & Visual Report Designer+FRM printmasks generator. (see down below, chap. NTK-ADDON)
New	NTKPreviewEngine.pdf	A Standalone Print Engine for previewing & printing data coming from DBF tables and formatted by a FRM printmask. (see down below, chap. NTK-ADDON)
New	WSay2Prt.pdf	A brand new library for Direct output to any Windows Printer including PDF printers. (see below, chap. NTK-ADDON) WSAY2PRT is a modern GDI Print library fully backward compliant with old Clipper's fashion of coding printings. It supports legacy xBase printing instructions and recognition & interpretation of IBM, Epson ESC/P2 control characters. (see down below, chap. NTK-ADDON)

***.\WNTK4HRB\NTKLIB\NTKClass.Lib

- NTKVIEW.PRG OO Class - Minor bug fixes and major enhancements.

+ Added the **::hTvFont** property (instance var) which allows you to set the font used for the whole object when the **::Config()** method is activated. N.B. Far more convenient than using the **NTK_SendMessage(hTV, WM_SETFONT, hMyFont)** API.

+ Implemented the new method **::FindItemByLabel(cSearch, ICaseSensitive)** which allows to find an item in the TVIEW by its label.

+ Implementation of new method **::SetItemLabel(hItem, cNewLabel)** which aims to modify the text into the label property of a Treeview item/branch.

+ Added related/tied new static Function : **__TV_SetItem(hWndTV, aTVI)**

+ Implementation of Method **::GetItemRect()** which aims to retrieve the whole coordinates of the frame encompassing the selected item/branch.

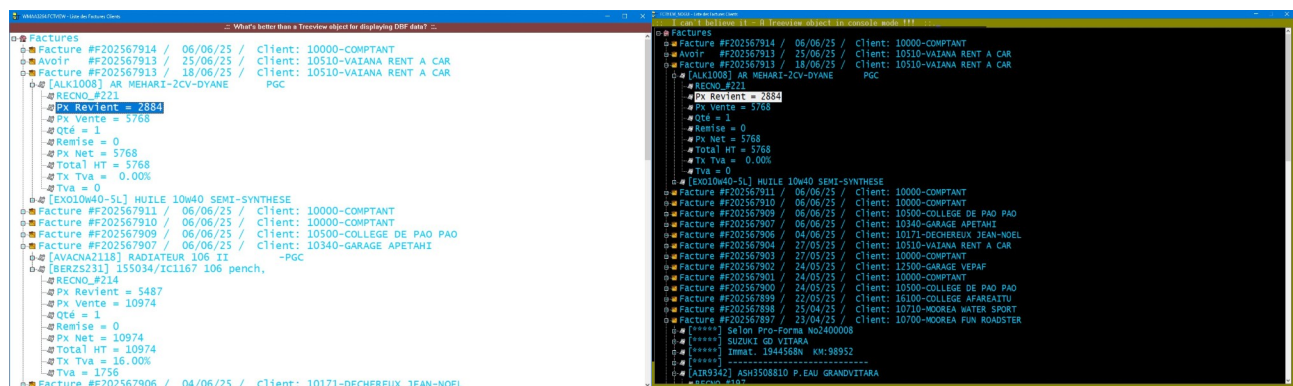
+ The entire business logic based on the new **NTK_TV_GetItemRect()** API has been reviewed.

+ Implementation of full support for both graphic and console coordinates

+ Bespoke arrangements for supporting TView OO Class object in NoGUI Layer for console & semi-graphic Apps.

See also :

- C:\WNKT4HRB\CONTRIBS\XML\XmlTview.Prg/.Exe
- C:\WNKT4HRB\CONTRIBS\AppTView\Fctview.Prg/.Exe
- C:\WNKT4HRB\CONTRIBS\AppTView\Fctview_nogui.Prg/.Exe



***.\WNTK4HRB\NTKLIB\NTKCore.Lib

- NTKVIEW.C

+ Bug fixes & Minor Improvements on both **NTK_TV_SetItem()** et **NTK_TV_GetItem()** core APIs.

+ Implementation of the new API: **NTK_TV_GetItemRect(hWndTV, hItem, aRect, ICode) -> ISuccess**

- NTKTERM.C/PRG (NoGUI Layer part, only).

+ Bug fix: Some internal & user vars were not properly initialized. This is done now.

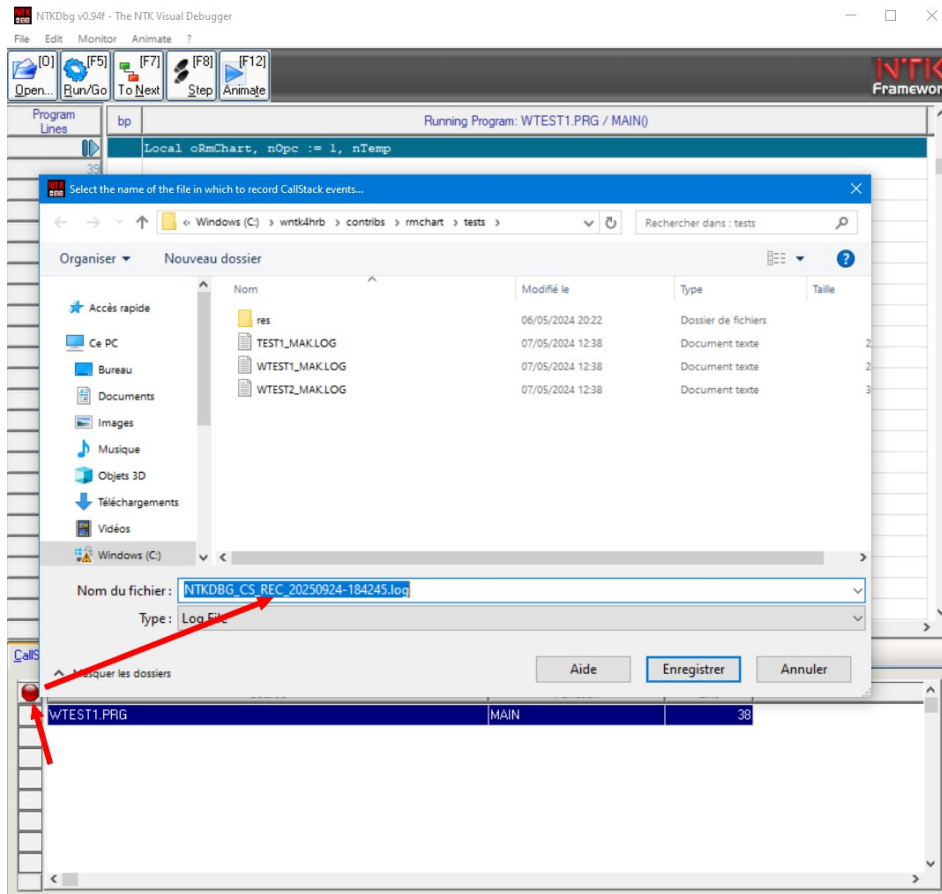
+ Bug fix: Main function **NTKNOGUI_WINSETUP()** now returns a correct window handle (**hWndMain**) in both console & semi-graphic modes.

+ Enhancement : Implementation of graphic support in both console & semi-graphics modes. See more details in the following samples :

- C:\WNKT4HRB\NTKNoGui\GSay.Prg
- C:\WNKT4HRB\NTKNoGui\HelloBmp.Prg
- C:\WNKT4HRB\CONTRIBS\RMCHART\tests\Test1.Prg
- C:\WNKT4HRB\CONTRIBS\AppTView\fctview_nogui.prg

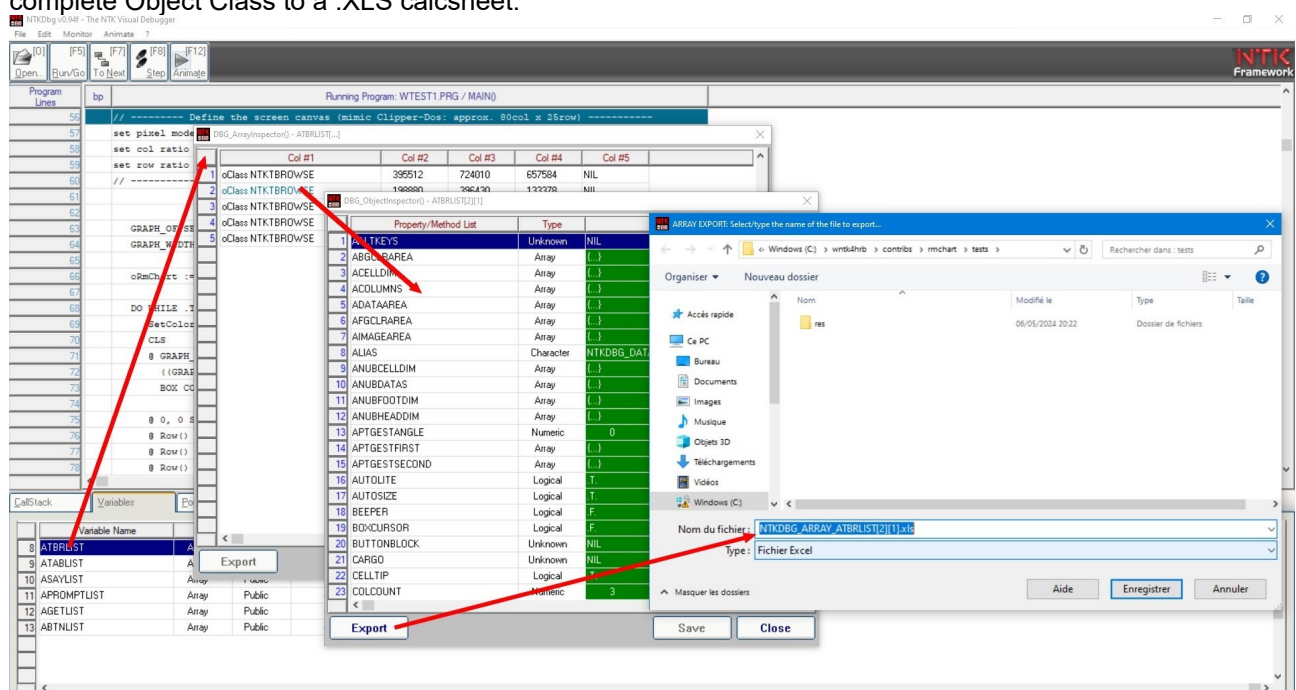
***.\\WNTK4HRB\\NTKLIB\\NTKDBG.Lib v0.94F

+ Implementation of a new facility in the 'CallStack' tab that allows developer to record, into a .Log file, all the callstacks occuring during the debugging session. Very usefull to track bugs through sub-routine to sub-routine calls or also to just generate a map of the application's tree, when unknown...



+ Minor bug fixes and enhancements in Dbg_ObjectInspector & Dbg_ArrayInspector.

+ Capability to export, at any time, items of any memory Array (mono, multidim & neested) or properties of a complete Object Class to a .XLS calcsheet.

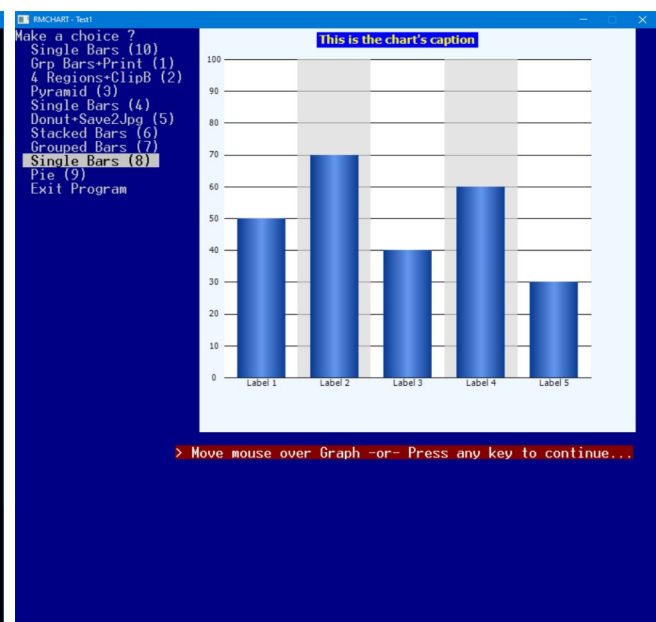
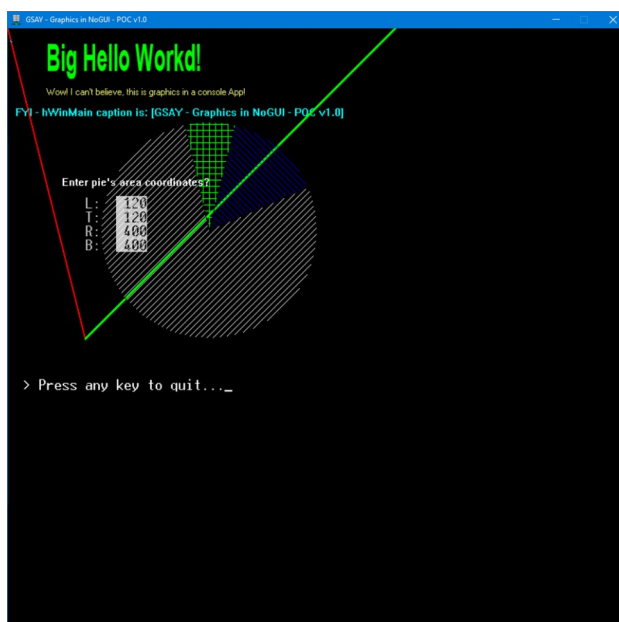


N.B. Do not forget that NTKDbg_ is still in beta stage and must be used with caution. Please, take a moment to read carefully the **NTKDbg_Readme.pdf** document before using. Also, keep in mind that your feedback is very important. Indeed, we count on you to report/carry back to us any information that may help us tracking bugs and improve this project.

*****.\\WNKT4HRB\\NTKNoGUI**

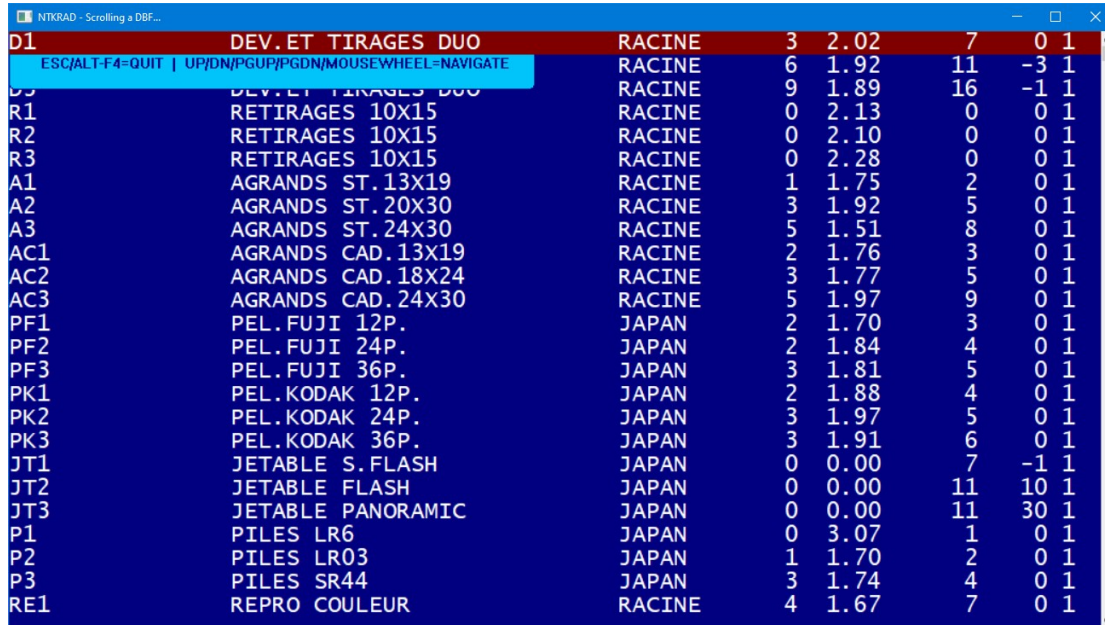
+ Just a couple of new tutorials in order to demonstrates how to take advantage of latest NTKNoGUI layer's improvements regarding support of graphics in console & semi-graphics modes.

- C :\\WNKT4HRB\\NTKNoGui\\GSay.Prg/.Exe
- C :\\WNKT4HRB\\NTKNoGui\\HelloBmp.Prg/.Exe
- C :\\WNKT4HRB\\CONTRIBS\\RMCHART\\tests\\Test1.Prg



***.\WNTK4HRB\NTKRAD\

+ Introducing a new SCROLLWIN.PRG/EXE tutorial that shows step by step how to create a basic window+scrollbar controls, capable to scroll text (DBF records) UP/DN in response to inputs from keystrokes and/or mouse events on vertical slider controls. Of course, all this stuff is done with easy and simple xBase commands.



ID	NAME	CATEGORY	VAL1	VAL2	VAL3	VAL4
D1	DEV.ET TIRAGES DUO	RACINE	3	2.02	7	0 1
R1	RETIRAGES 10X15	RACINE	6	1.92	11	-3 1
R2	RETIRAGES 10X15	RACINE	9	1.89	16	-1 1
R3	RETIRAGES 10X15	RACINE	0	2.13	0	0 1
A1	AGRANDS ST.13X19	RACINE	0	2.10	0	0 1
A2	AGRANDS ST.20X30	RACINE	0	2.28	0	0 1
A3	AGRANDS ST.24X30	RACINE	1	1.75	2	0 1
AC1	AGRANDS CAD.13X19	RACINE	3	1.92	5	0 1
AC2	AGRANDS CAD.18X24	RACINE	5	1.51	8	0 1
AC3	AGRANDS CAD.24X30	RACINE	2	1.76	3	0 1
PF1	PEL.FUJI 12P.	JAPAN	3	1.77	5	0 1
PF2	PEL.FUJI 24P.	JAPAN	5	1.97	9	0 1
PF3	PEL.FUJI 36P.	JAPAN	2	1.70	3	0 1
PK1	PEL.KODAK 12P.	JAPAN	2	1.84	4	0 1
PK2	PEL.KODAK 24P.	JAPAN	3	1.81	5	0 1
PK3	PEL.KODAK 36P.	JAPAN	2	1.88	4	0 1
JT1	JETABLE S.FLASH	JAPAN	3	1.97	5	0 1
JT2	JETABLE FLASH	JAPAN	3	1.91	6	0 1
JT3	JETABLE PANORAMIC	JAPAN	0	0.00	7	-1 1
P1	PILES LR6	JAPAN	0	0.00	11	10 1
P2	PILES LR03	JAPAN	0	0.00	11	30 1
P3	PILES SR44	JAPAN	0	3.07	1	0 1
RE1	REPRO COULEUR	RACINE	1	1.70	2	0 1
			3	1.74	4	0 1
			4	1.67	7	0 1

***.\WNTK4HRB\NTKLIB\NTKRadEx.Lib

..\NTKLIB\RADEX\RNTKCPROMPT.PRG

+ Bug fix in Func. __NtkMenuToHiliteltem() (console like prompt) - added Item style conversion: BS_* to DT_* style as expected by internal @..SAY instructions.

..\NTKLIB\RADEX\RNTKCDDL.PRG

+ Bug fix in NtkArrayView(), NtkFileView(). User-defined 'tbFont' property/setting was never applied to NtkFileView() datagrid. This is now fixed. You can change default font for the whole datagrid cells.

***.\WNTK4HRB\NTKADDON\

A couple of official ADD-ON Libraries have been added and minor fixes & improvements have been achieved on existing ones.

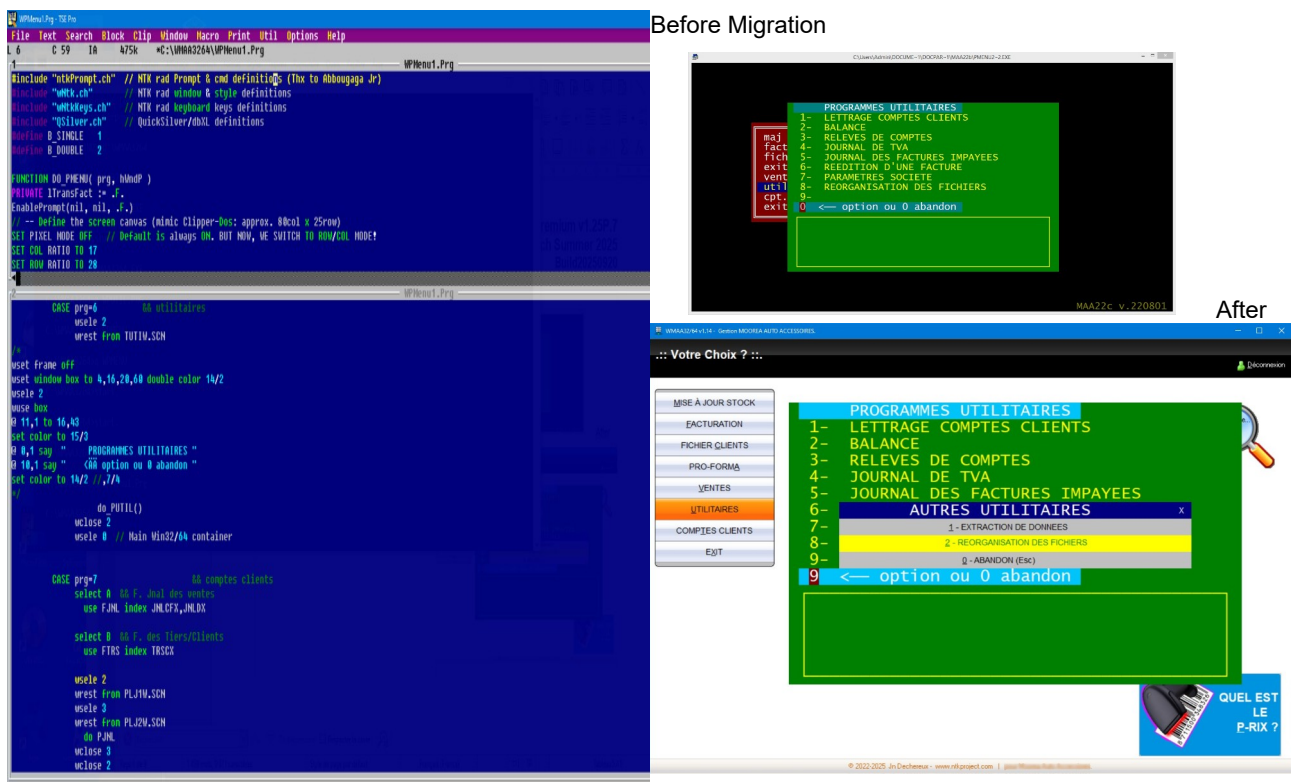
..\NTKADDON\dxLQuickSilver\

QSILVER.LIB is a brand new library that emulates in full GUI the famous QUICK SILVER environment – The Clipper sister language, from the 80' & 90', which used DBF+NDX and was at the time already multi-windowing capable!

Currently, around 90% of commands & functions are fully fonctional, including support of multiple window areas, selection & restoration+exploitation of QS screen masks (.SCN), and so on....

Also, several tutorials and a complete documentation are on the way....

FYI: Though **QSILVER.LIB** is still in its early stage -it has been successfully used, tested & well-proven since 2022 in the migration process of a huge ERP, at one of our world customers in the APAC area.



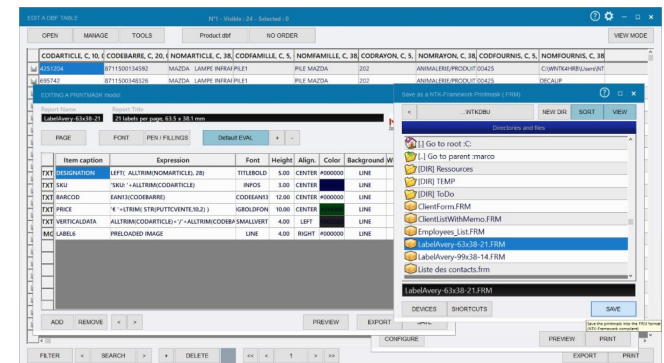
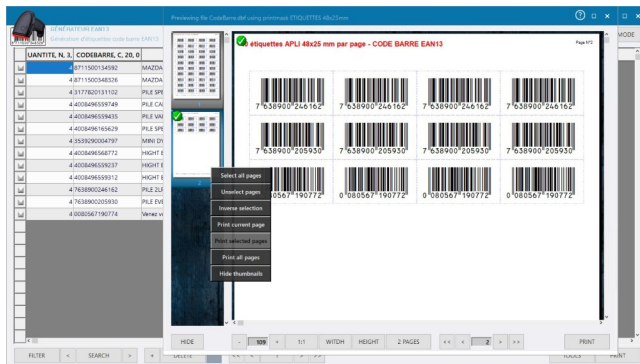
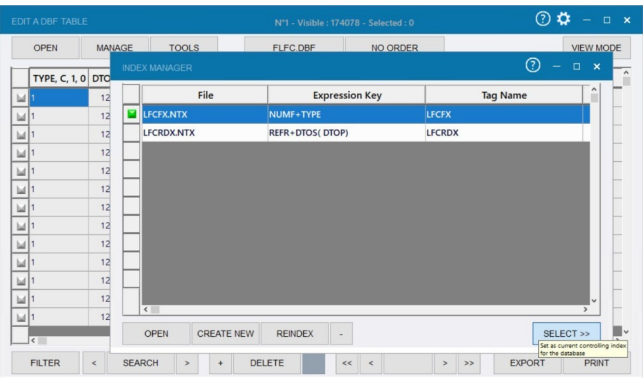
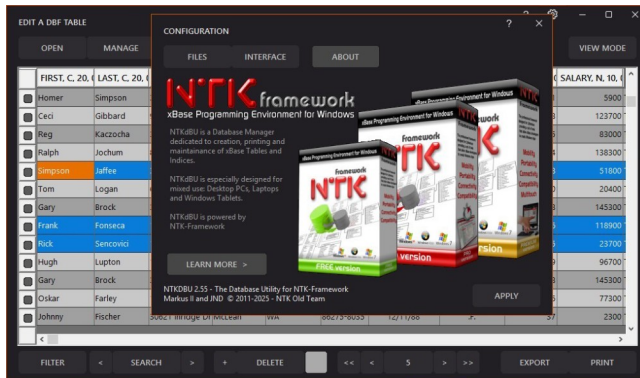
..\NTKADDON\NTKdBU\

NTKdBU is a professional tool designed for creating and manipulating DBF tables & indexes. It also provides a built-in Visual Report Designer for easily generating/previewing/printing.FRM printmasks. Afterward, those .FRM printmasks can be executed by your NTK-Apps, calling the **NTKPreviewEngine**.

In addition, **NTKdBU** comes with a fully skinnable & localizable GUI that supports Touch & Gesture capabilities when running on any Windows compliant tablet, slate PC or multitouch device.

A **NTKdBU** portable version is available for download from your NTKWIP space:

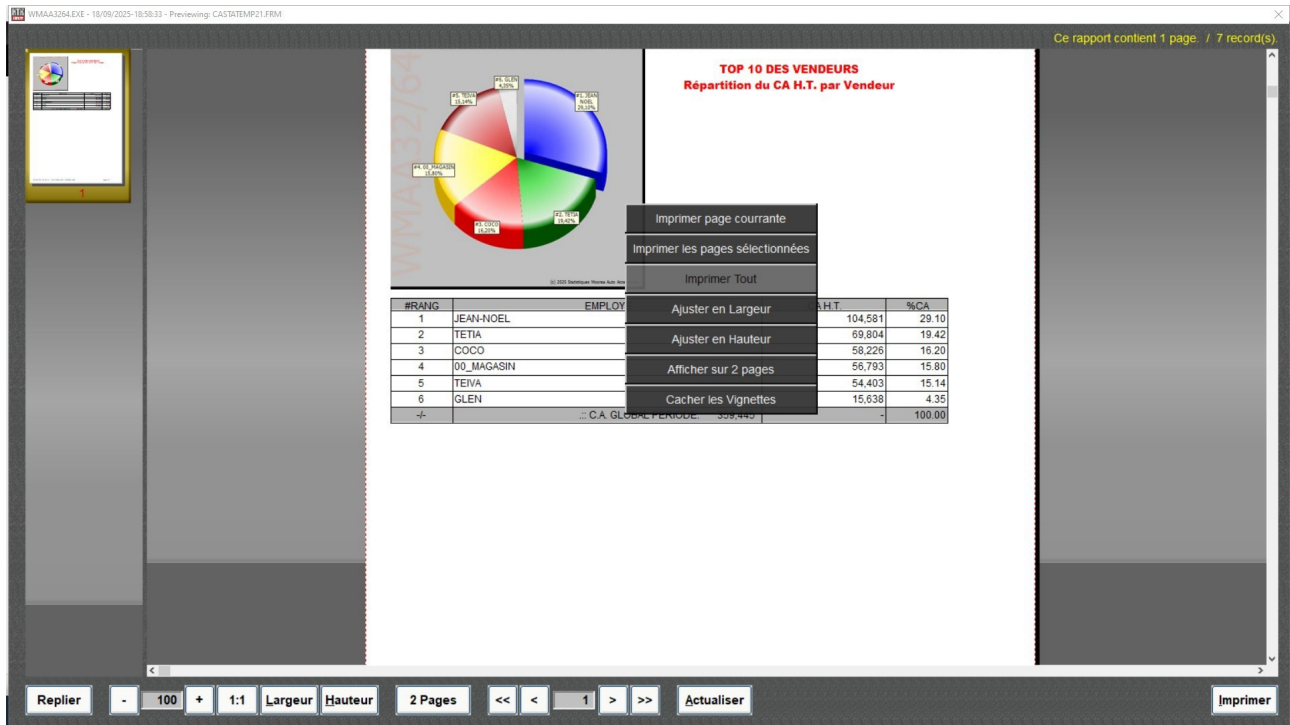
<https://www.ntkproject.com/ntkwip/>



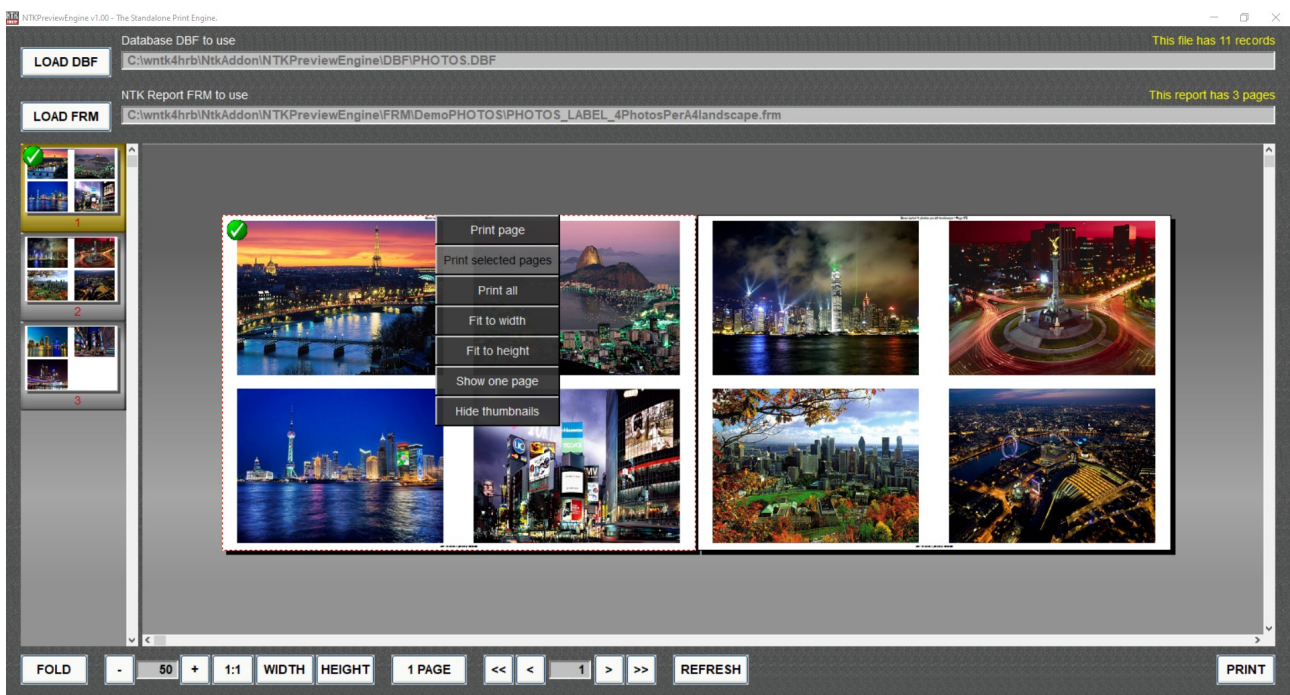
..\NTKADDON\NTKPreviewEngine\

NTKPreview Engine Runtime is a Standalone Print Engine, developed with the NTKREPORT.LIB, for previewing & printing data coming from DBF tables and formatted by a FRM printmask.

In other terms, it allows NTK developer to perform/execute .FRM printmasks (text scripts) previously generated by hand or with the **NTKdBU's Visual Report Designer**. (Full source code included)



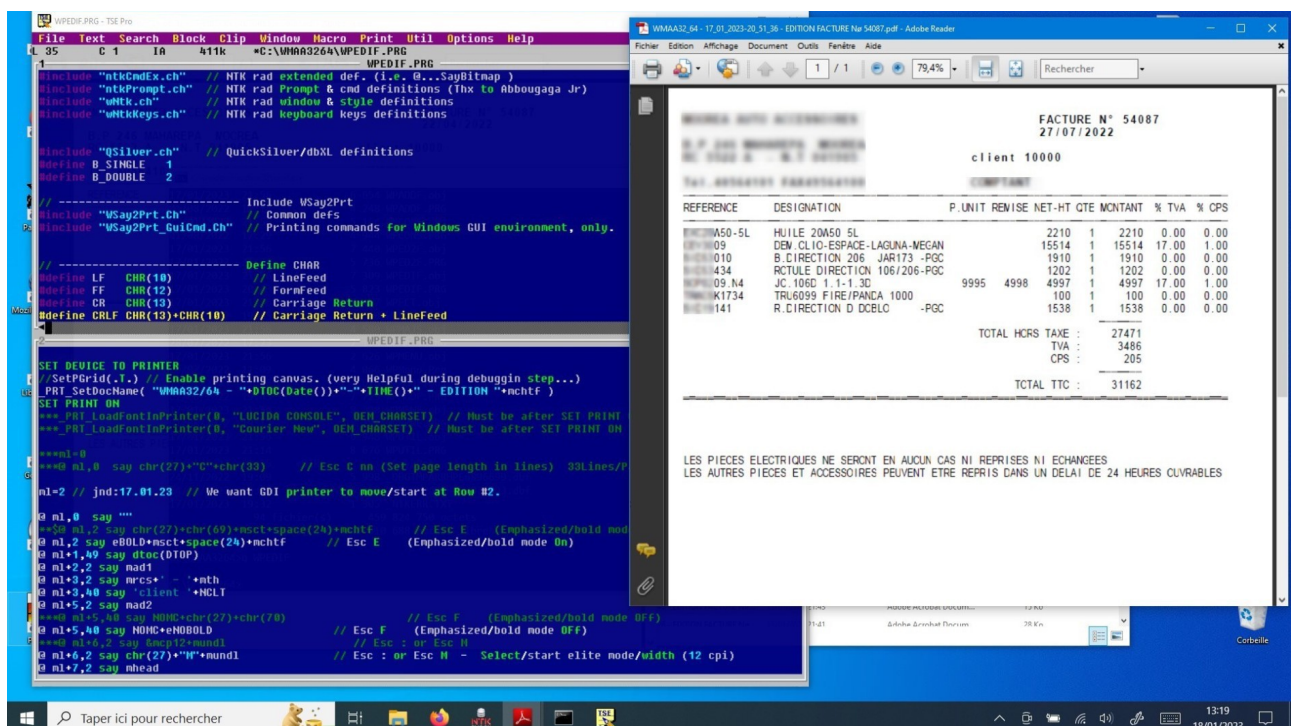
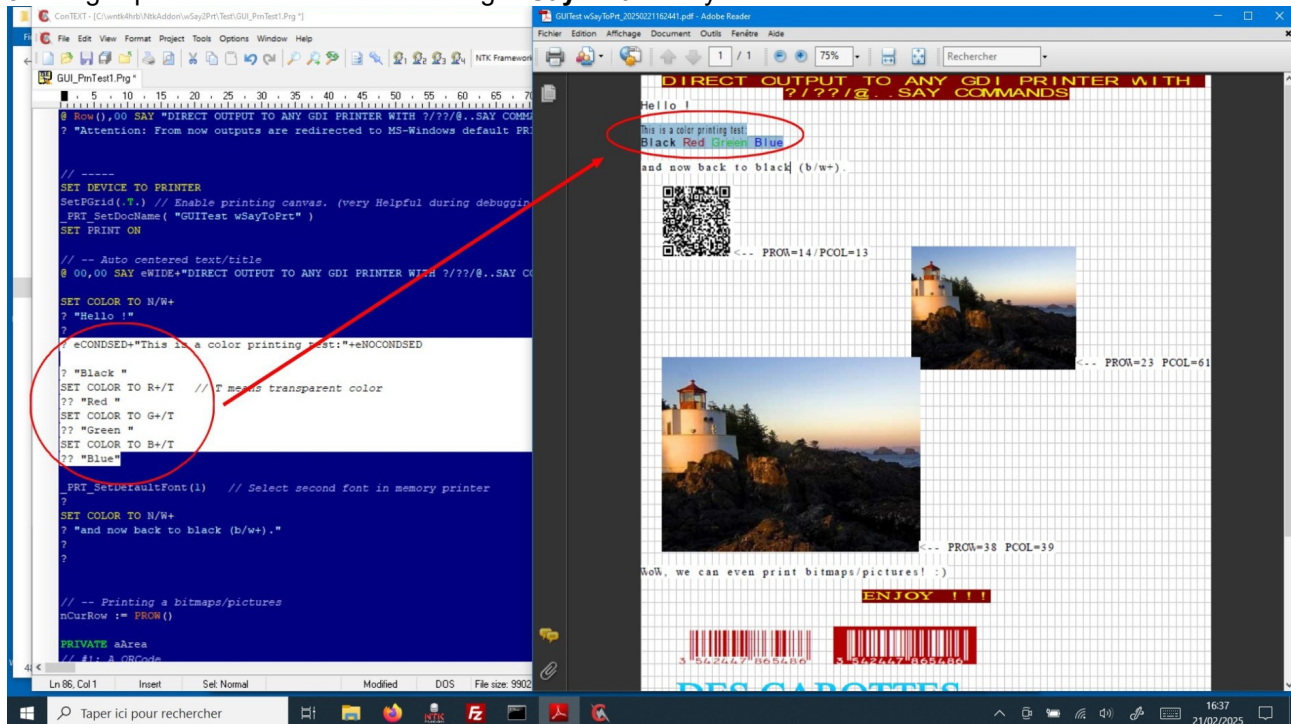
N.B. Also, during testing/debugging phase the developer can easily modify on-the-fly (with his/her favorite text editor) any instructions into the .FRM printmask, then press [F5] to see changes immediately reflected in the preview.



..INTKADDON\WSay2Prt\

WSAY2PRT.LIB is a library that offers most of legacy xBase commands plus a set of extended modern capabilities for direct output to any Windows Printer, including PDF printers. It is fully backward compliant with old Clipper's way of coding printings. It supports recognition & interpretation of IBM, Epson ESC/P2 control characters. Support for HP PCL sequences is coming soon...
(Full source code included)

Just a glimpse of what can be done using **WSay2Prt** Library:



That's all for now folks! But many more to come. . . Just keep in mind that NTK is a permanent Work In Progress. . .