

Date: 2017-04-25

Patch Name: WNTK4HRB_UpgradepatchSpring2017_Build20170425.exe

This new **NTK-Framework Premium Edition v1.16P-Spring'17** is available as a major upgrade patch that concerns **NTK-Premium Edition v1.15.P.0** originally installed from:

- **Setup_NTK_PREM_1.14P.0_Autumn14_Build20141018-0357.Exe** then patched with:
- **WNTK4HRB_UpgradepatchesYear2015_Build20160109.exe**

Hence, it must be applied at least after:

WNTK4HRB_UpgradepatchesYear2015_Build20160109.exe or later.

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_UpgradepatchSpring2017_Build20150425.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. Run NTK's Auto-Config-Wizard (NTKCfg.exe) in order to register & configure the new compilation batches related to NTKDbg.
6. That's it.



SO, WHAT'S NEW?

As usual, many fixes and lot a new features have been implemented to the whole NTK-Framework, as well as the update of existing pdf manuals and documentations.

Below are some of the most significant, among others.....

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

- NTK_DrawGradientFill() a new core API for drawing a gradient fill delimited to a specified area.
- NTK_GetDirDlg() & NTK_SHBrowseForFolder() enhancement:
 - + Added support for setting an initial folder to open at function startup.

Button System enhancements:

- NTK_BT_STANDARD BUTTON TYPE (MS Windows basic buttons/pushbuttons)
 - + Added support for automatic bitmap drawing when a bitmap handle is specified in the BITMAP UP clause.

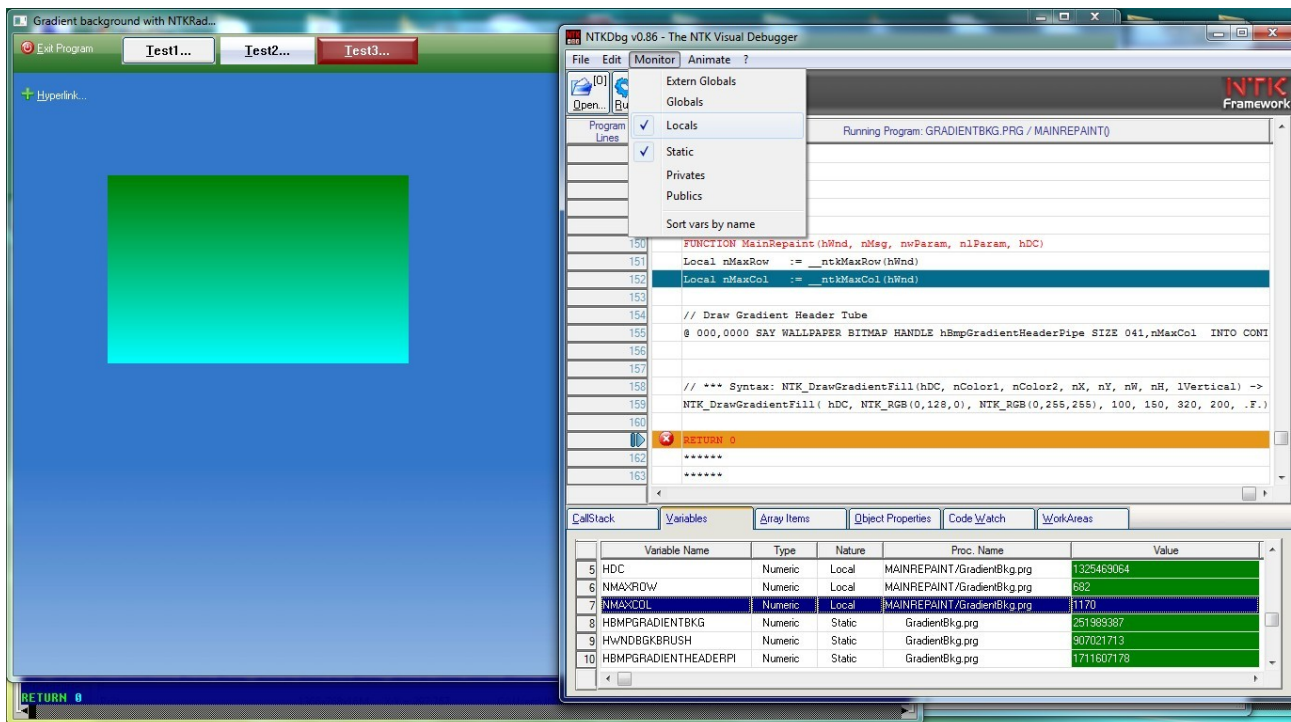
- NTK_BT_OWNERDRAWN BUTTON TYPE (NTK extented buttons)
 - + Added full support for dynamic change of button theme properties (THM_BT_* in NTKBTN.ch). i.e.
 - + NTK_OdGetBtnThemeProperty(nPropID)
 - + NTK_OdBtnThemeInitialize()
 - + NTK_OdSetBtnThemeProperty(nPropID, nRgbClr)
- DECLARE TOOLBAR MEMBER... / NTK_TbAddMember(), NTK_TBCreate()
 - + Added the STATE clause for controlling the button state (enable/disable) at TB creation.

Tab System enhancements:

- + Added full support for dynamic change of tabs theme properties (THM_TAB_* in NTKBTN.ch). i.e.
 - + NTK_OdGetTabThemeProperty(nPropID)
 - + NTK_OdTabThemeInitialize()
 - + NTK_OdSetTabThemeProperty(nPropID, nRgbClr)

*****.\NTKLIB\NTKDbg.Lib**

The NTK-Framework's Visual Debugger (beta version). A brand new library that comes with specific compilation batches (MKDBG.Bat and MAKEDBG.Bat) for assisting you in your application development. Bug tracking, Var examination/modification, break points, run step-by-step, animate mode, and far more features...



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.

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

*****.\NTKLIB\RADEX\RNKCDLG.PRG**

- + Minor enhancements into NtkArrayView() & NtkFileView() functions.

*****.\NTKLIB\RADEX\RNKTPROMPT.PRG & NTKPROMPT.CH**

+ Major enhancement: Support for @...PROMPT / MENU TO commands & related Apis. They are now full part of the NTKRadEx.lib. No more needed to include externals: PrompMnu.prg & PrompMnu.ch to your project. (though, still possible) Special thanks to Abbougaga Jr for his great contribution/devotion.

*****. \NTKLIB\RADEX\RNKTCIMG.PRG**

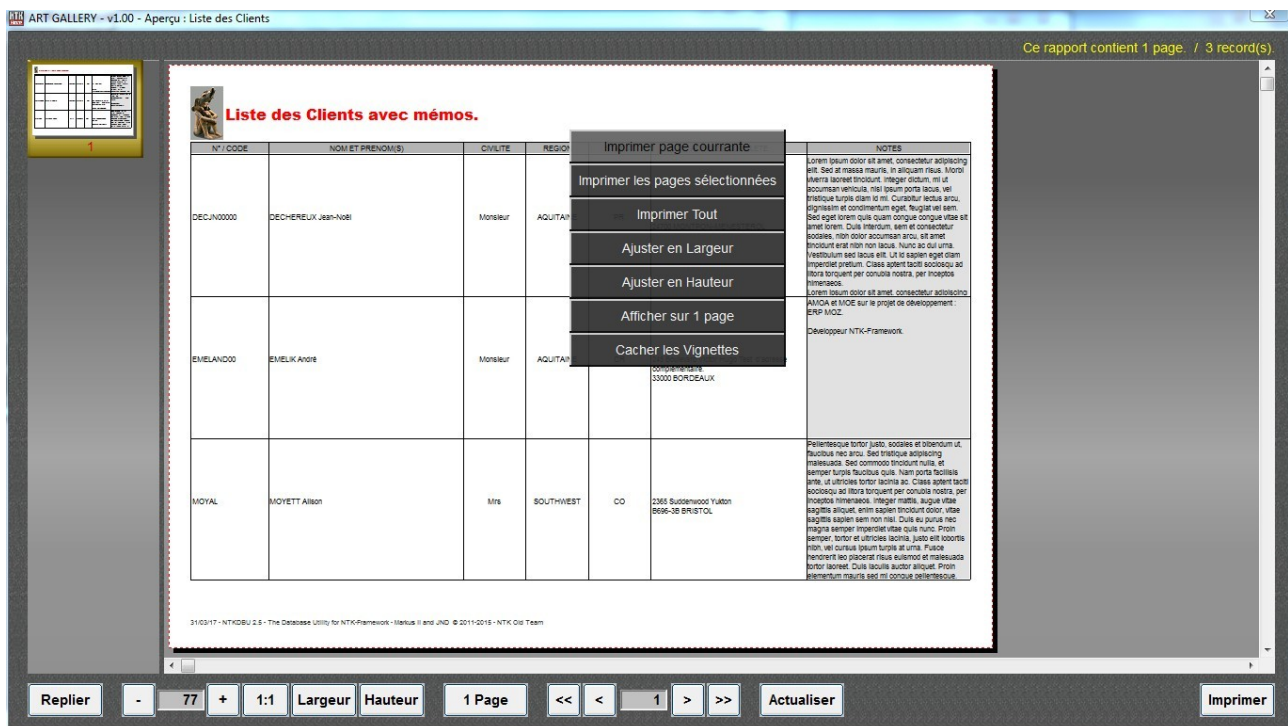
- + Added support for window screen capture & later restoration/disk saving with NTK_SaveBmp().
- 3 new functions:
 - NtkSaveScreen([<nTop>], [<nLeft>], [<nBottom>], [<nRight>], [<hWnd>]) -> aScrInfo
 - NtkRestScreen([<nTop>], [<nLeft>], [<nBottom>], [<nRight>], <aScr>, [<IDestroyBMP>]) -> ISuccess
 - NtkDelScreen(<aScr>) -> ISuccess

*****. \NTKLIB\NTKReport.Lib**

+ Enhancements: Support for printing/preview of memos or large text blocks in .FRM print masks.
 Added the new object type: BOXTEXT which is capable to draw a memo or a large text within a delimited area.

Example:

```
DEFAULT, BOXTEXT, 230.49, 0.50, 58.01, 50.00, "[{RTRIM(NOTES)}]", LINE, 0, 0, 0, 0, LEFT, CLIPPED, 0
```



See also file ..\WNTK4HRB\NTKRAD\ArtGallery\rpt\Clients_Liste_Memos.FRM for a full example.

*****. \NTKLIB\NTKTTTab.Lib & ***. \NTKCLASS\NTKTTTab.PRG**

- Minor fixes & enhancements related to support for dynamic setting of tabs theme properties. (see in the above)

*****. \CONTRIBS\GAME\PegSolitaire**

- Fixed the status bar drawing which is now properly adjusted to the window dimensions, even under Win10.

***** .\CONTRIBS\NTKCfg**

The Auto-Configuration-Wizard for the NTK Development Platform has been upgraded.
+ Added support for MKDBG.Bat & MAKEDBG.Bat

***** .\CONTRIBS\SnapShot**

+ Minor enhancements.

This tutorial shows how to take a picture of the whole screen, a specified window, or a particular area, then how to save it to a .BMP file.

- SaveBmp.prg - Show usage of the new NTK_SaveBitmap() core Api.
- Snapshot.prg – A screen grabber utility + Full source code of functions GrabFullScreen() & GrabWindow()

***** .\DOC**

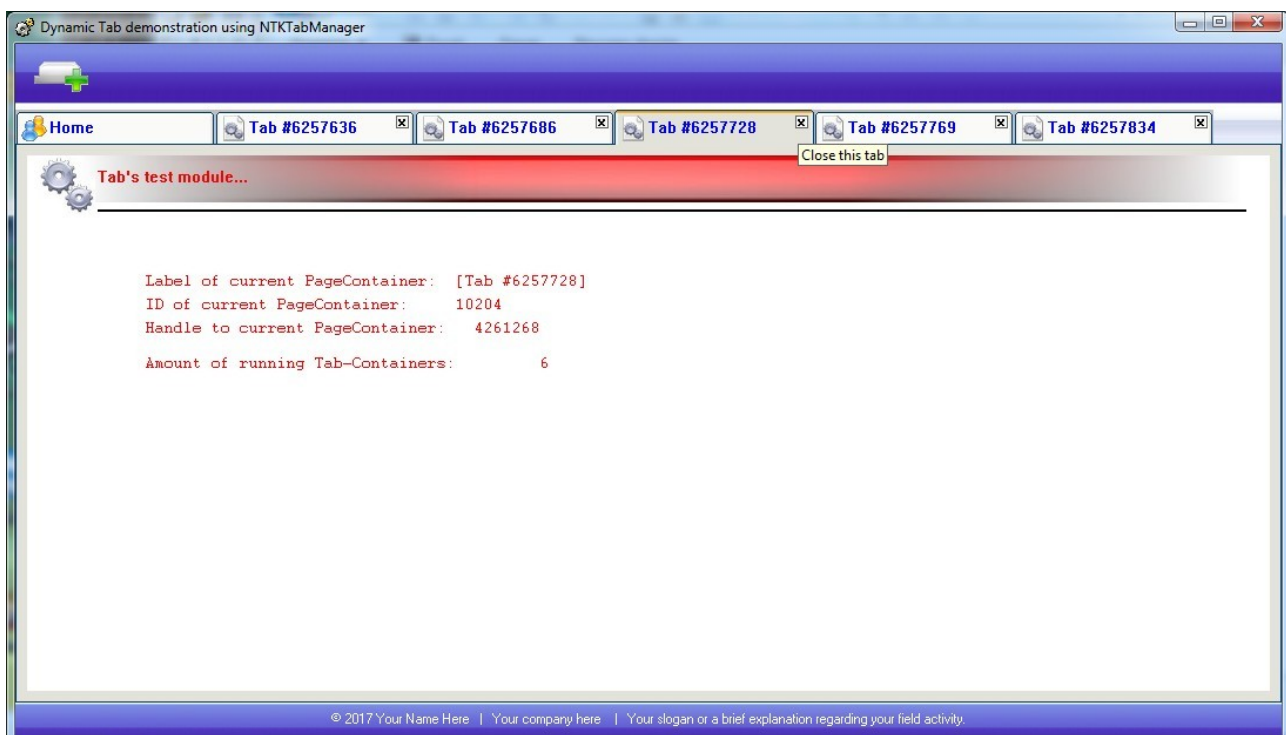
The following manuals & developer's documents have been updated:

- Flist.pdf
- NTKCore_Part1.pdf
- NTKCore_Part2.pdf
- NTKDbg_Readme.pdf (New manual)
- NTKRad.pdf
- NTKReport_DeveloperGuide_fr.pdf
- NTKSkin.pdf
- NTKTTab.pdf

***** .\INTKAddOn\NTKTabManager\DEMO\DynTab.prg**

+ Minor fixes & enhancements.

N.B. DynTab.prg is a tutorial that aims to demonstrate how to create from scratch an application that uses dynamic tabs (also called page-containers) using the NTKTabManager library.



*** .INTKAddOn\NTKReport\MKPREVIEWTOUCHNSKIN\MKPrint.prg

A brand new tutorial (courtesy of MARKUS II) that aims to show how to develop from scratch a fully skinnable application that allows to preview and print any FRM printmask and supports multitouch pan & zoom features. A perfect example for a tablet usage.



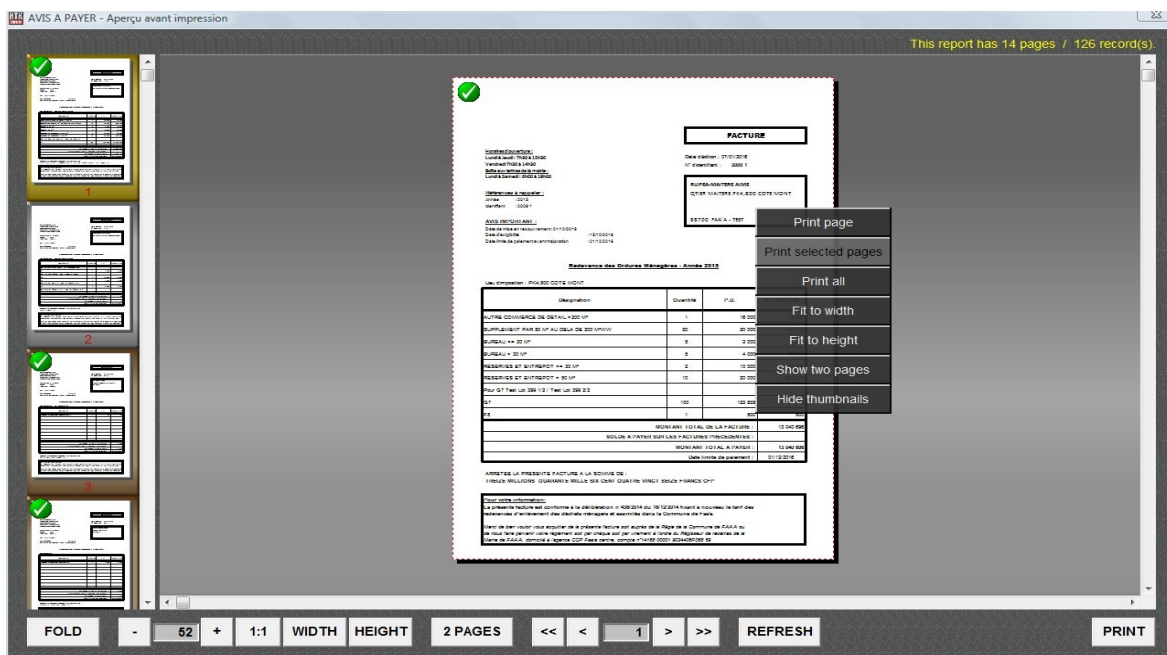
Special thanks to MARKUS for this great contribution.

*** .INTKAddOn\NTKReport\NTKPreviewEngine

- + Minor fixes
- + Minor improvements have been made to the REPORT_PEPREVIEW() function.

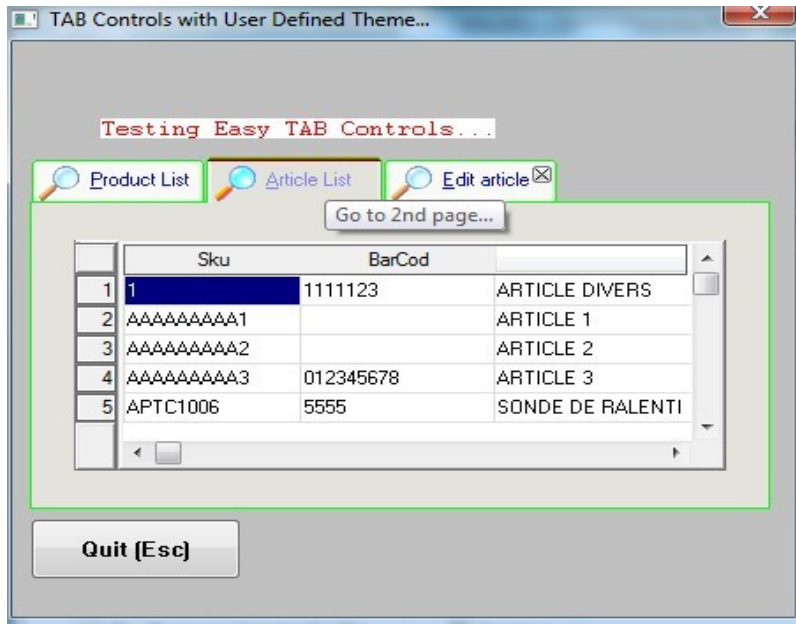
N.B. The REPORT_PEPREVIEW() allows developer to quickly run NTKPrintEngine.exe from an application then preview/print any FRM printmask. (just import source code into your own application from file: Readme.txt) e.g.:

```
REPORT_PEPREVIEW( hWndP, Nil, "c:\MyApp\Data\Employees.Dbf", "c:\MyApp\Frm\Employees.Frm", .F., ;
"MYAPP - Preview: List of Employees", WS_SYSMENU+WS_MAXIMIZE )
```



*** .INTKRAD\

+ Added TabCtrlThemed.Prg. A new tutorial that shows how to change Tab's default theme.

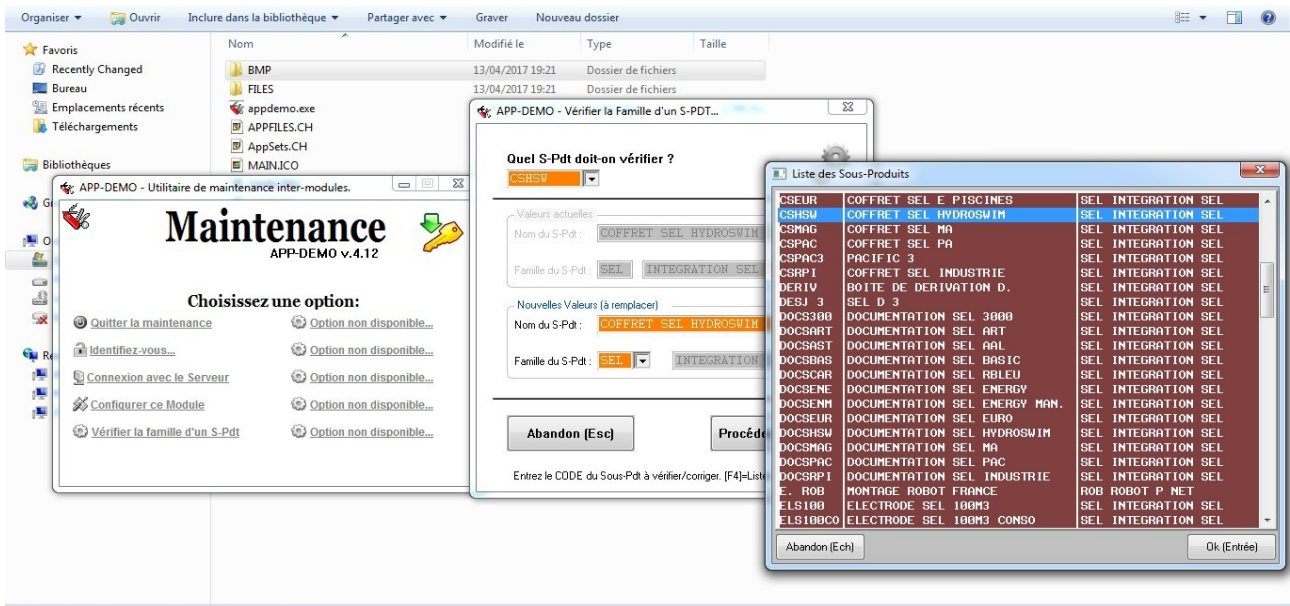


*** .INTKRAD\AppDemo

+ Minor enhancements

AppDemo is a tutorial that shows:

1. how to create a main menu with hyperlink buttons;
2. how to create a modal window with a password Get;
3. how to create a modal window with Gets/Read & pushbuttons;
4. how to trigger from the 'PICK' clause of a Get, an Achoice() modal-dialog that allows to browse a DBF, to select an item, then to pick-up its value within the Get object.



***** .INTKRAD\ArtGallery**

+ New tutorial & Reusable application template

ArtGallery is a brand new tutorial that has been designed as a fully reusable application backbone that will help you to understand:

1. how to create a main menu with NTK's extended @...PROMPT / MENU TO commands;
2. how to create a complete 'Customer' database management application that works in a LAN environment (full support for concurrent access);
3. how to create a modal window with a datagrid for browsing & selecting any client record;
4. How to create a fancy resizable datagrid/browse with scrollbars, large headings, vertical bitmap nubs, and 'paperoll effect' for drawing record items, etc.
5. how to create a modal Form that allows any record fields to be edited and updated. Demonstrates how to create Get objets with Read waitsate and Buttons with high visual style;
6. how create a modal-dialog for defining print/preview criterias, selecting the FRM printmask, accessing the printer properties;
7. how to use the REPORT_PEPREVIEW() function in order to perform the NTKPrintEngine with the configuration & criterias defined by the user;
8. How to load & use external TTF fonts specific to your application (not registered in Windows/OS);
9. How to create nice graphics with transparency using commands like @..SAY...BITMAP, @..SAY WALLPAPER, etc.

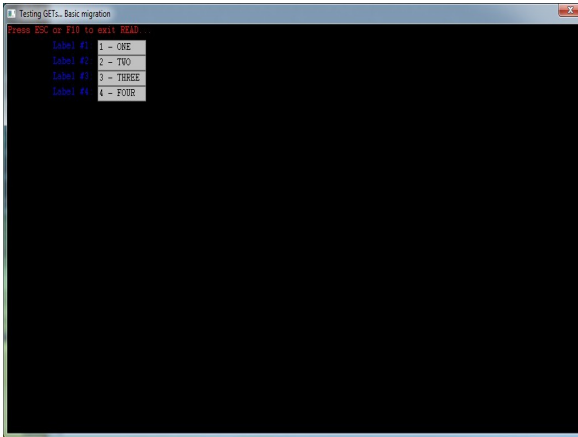


***** .INTKRAD\Dos2Win\DemoGets**

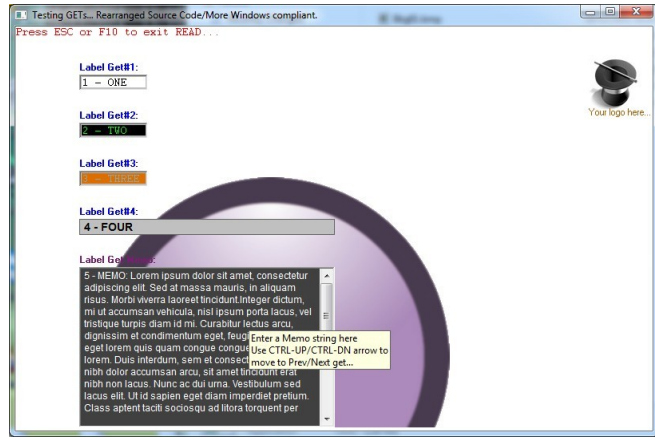
+ Two new tutorials: TestGet.Prg & TestGetEx.prg

Both examples are based on the same Clipper/Console source code. TestGet.prg is a quick & minimalistic migration to NTK – whilst TestGetEx.prg shows what can be obtained with just a few extended features.

TestGet.prg - Quick & basic migration



TestGetEx.prg - Same code with extended features

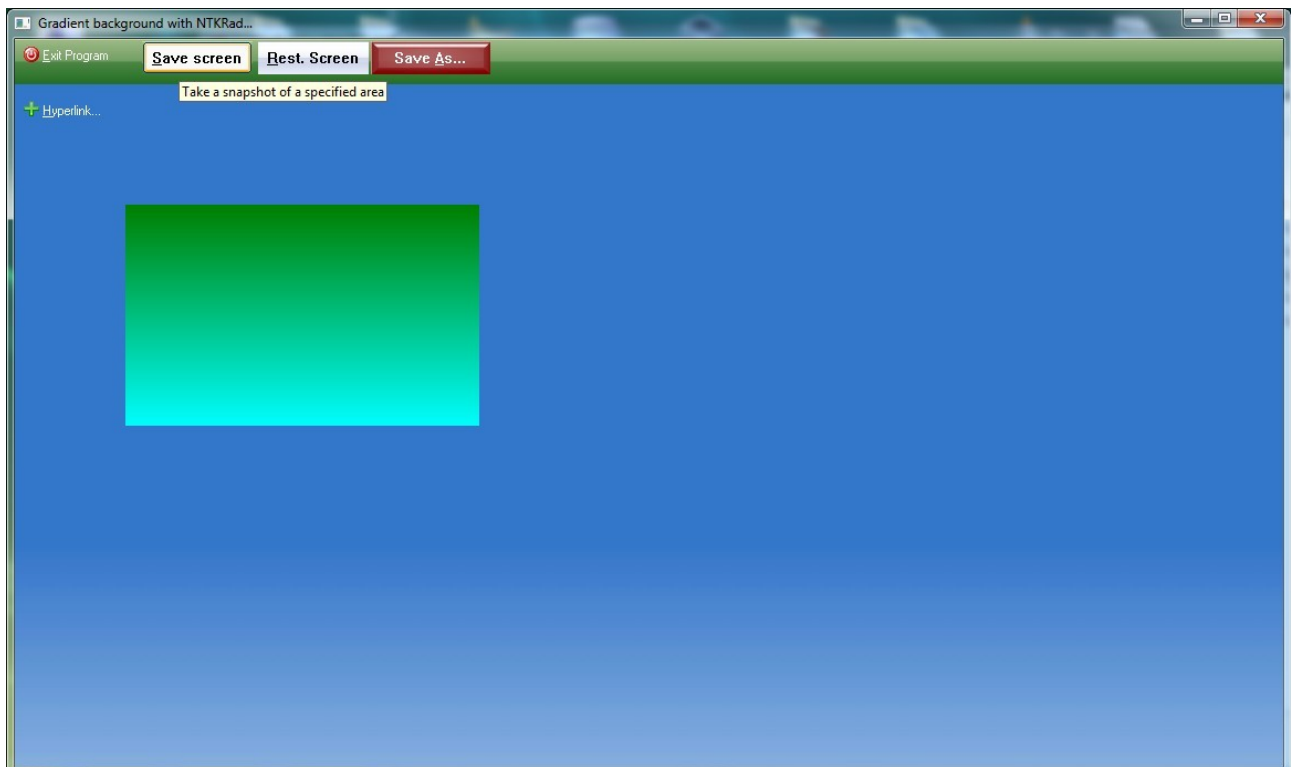


***** .INTKRAD\Gradient**

+ Two new tutorials: GradientBkg.prg & GradientScr.prg

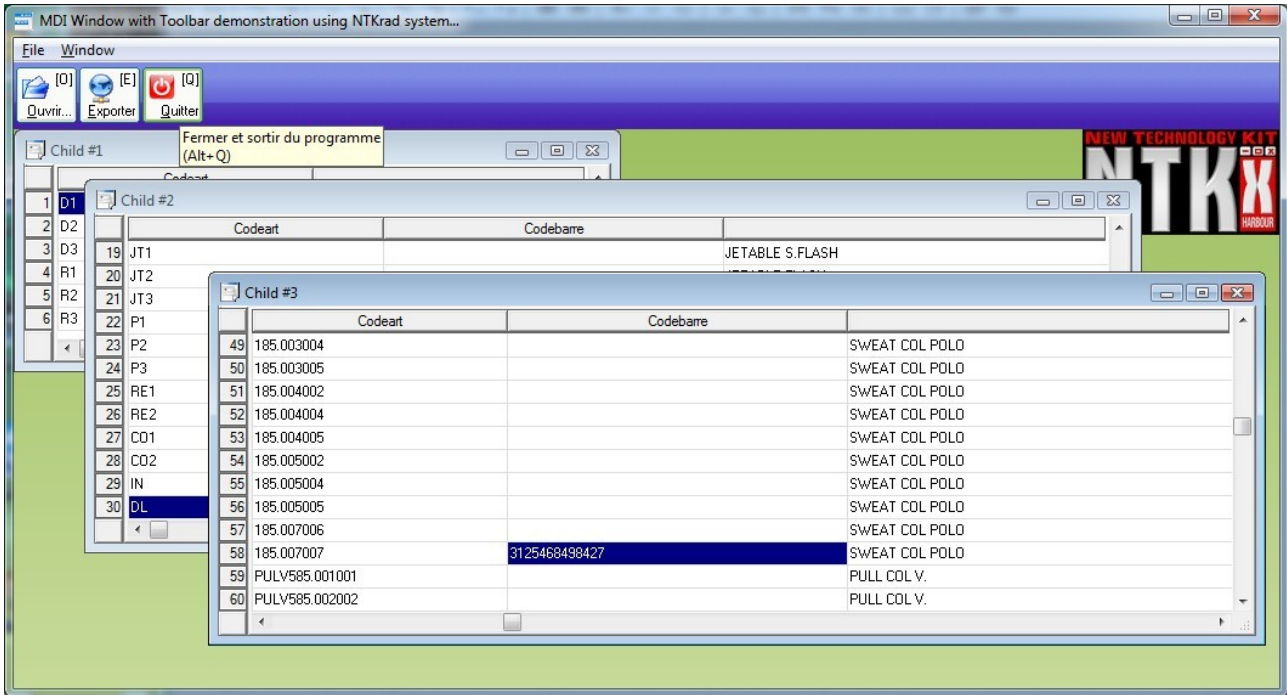
Both examples are based on a similar source code and aim to show how to display a gradient background using a @..CREATE BITMAP BRUSH and @..SAY WALLPAPER – and also, how to display a gradient area via the NTK_DrawGradientFill().

By the way, GradientScr.prg demonstrates usage of NtkSaveScreen() & NtkRestoreScreen() in GUI environment - as well as extra features like the possibility not to restore the captured area but just save it as a BMP file onto the disk, via the NTK_SaveBmp() API.



*** .INTKRAD\MdiTbDemo
 + A brand new tutorials: MdiTbDemo.prg.

This sample demonstrates how to create an 'always on top' Toolbar in an MDI application. Also, it shows how to implement the latest capabilities for changing default theme of NTK_BT_OWNERDRAW buttons. In this case, a green theme has been defined to replace the original orange visual-style.

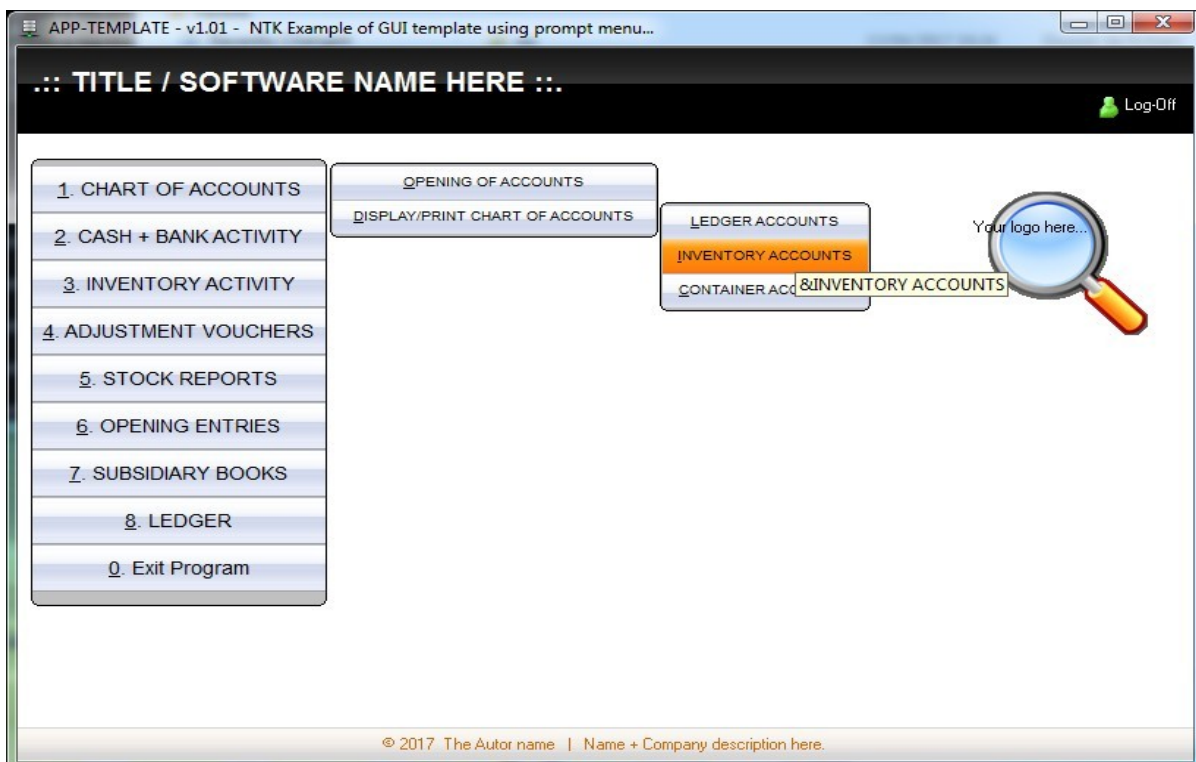
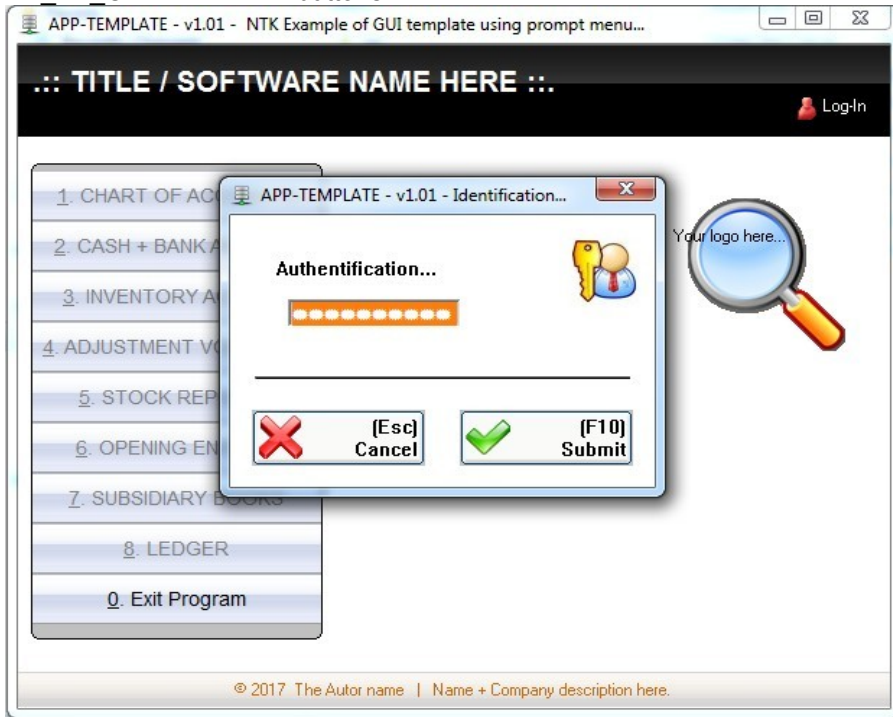


*** .INTKRAD\PromptMnu\AppTemplate

+ New tutorial & Reusable application template

APP-TEMLATE is a brand new tutorial that has been designed as a fully reusable application backbone that will help you to understand:

1. how to create a main program/main window container;
2. how to create a main menu with @...Prompt / Menu To commands;
3. how to create a sub & a sub-sub menu with @...Prompt / Menu To commands;
4. how to create an hyperlink button with a similar background to the toolbar bitmap;
5. how to create a modal window for user authentication with a password GET objects+ READ waitstate and NTK_BT_OWNERDRAW buttons.



And many more to come. . . Just keep in mind that NTK is a permanent Work In Progress. . .