

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 <u>C:\WNTK4HRB\</u> 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 controling the button state (enable/disable) at TB creation.

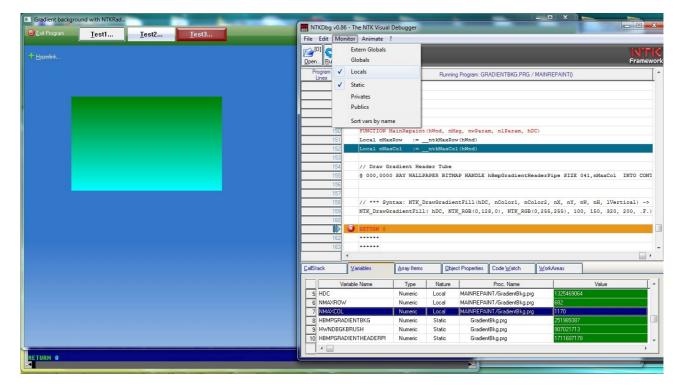
Tab System enhancements:

+ 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 <u>NTKDbg_is still in beta stage and must be used with caution</u>. Please, take a moment to read carrefully 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\RNTKCDLG.PRG

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

***.\NTKLIB\RADEX\RNTKPROMPT.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\RNTKCIMG.PRG

+ Added support for window screen capture & later restoration/disk saving with NTK_SaveBmp(). 3 new functions:

NtkSaveScreen([<nTop>], [<nLeft>], [<nBottom>], [<nRight>], [<hWnd>]) -> aScrInfo

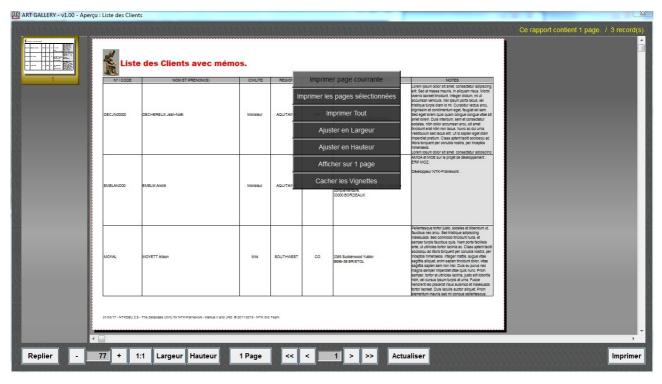
NtkRestScreen([<nTop>], [<nLeft>], [<nBottom>], [<nRight>], <aScr>, [<IDestroyBMP>]) -> ISucces NtkDelScreen(<aScr>) -> ISuccess

***.\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\NTKTTab.Lib & ***.\NTKCLASS\NTKTTab.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 graber 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

*** .\NTKAddOn\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.

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Close this tab	
Label of current PageContainer: [Tab #6257728]	
ID of current PageContainer: 10204	
Handle to current PageContainer: 4261268	
Amount of running Tab-Containers: 6	
© 2017 Your Name Here Your company here Your slogan or a brief explanation regarding your field activity.	



*** .\NTKAddOn\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.

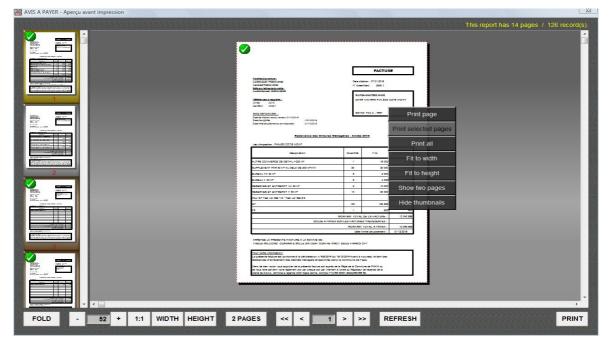


Special thanks to MARKUS for this great contribution.

*** .\NTKAddOn\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.:





*** .\NTKRAD\

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

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*** .\NTKRAD\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.

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*** .\NTKRAD\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.

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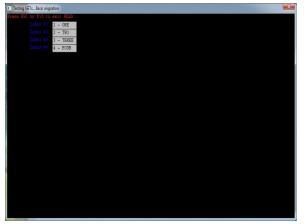


*** .\NTKRAD\Dos2Win\DemoGets

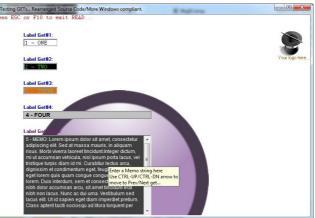
+ Two new tutorials: TestGet.Prg & TestGetEx.prg

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



*** .\NTKRAD\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.

Gradient backg	round with NTKRad	-	_	-	-	-		
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+ Hyperlink	Take a snapshot	of a specified area						



*** .\NTKRAD\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.

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*** .\NTKRAD\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 authentification with a password GET objects+ READ waitstate and NTK_BT_OWNERDRAW buttons.

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

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