

NeoBook 5 Version History

5.8.2 - March 7, 2013

Fixes

- Corrected a problem that prevented the debugger's step mode feature from working with Timer objects.
- The Version Info "auto increment build number" feature now correctly updates the build number when compiling.
- And several other minor fixes.

5.8.1 - February 8, 2013

Enhancements

- Added a sort variables option to the debugger.

Fixes

- The SetVar action wizard's multi-line option now correctly handles line breaks when no line break character is selected.
- Corrected problem that caused an access violation error when using the wizard dialog for built-in actions with more than five parameters.
- Increased the width of the shortcut key field on the ListBox/ComboBox properties screen to allow three key combinations.
- The Simple Text object's left click and right click event now work when drag & drop mode is set to none.
- The Resized action (Book Properties > Actions) now works when the publication's "auto-size work area" option is turned off.
- And several other minor fixes.

5.8.0 - January 25, 2013

Enhancements

- Implemented an advanced font anti-aliasing technique that vastly improves the appearance of text drawn at larger font sizes. This method uses hints embedded in the font itself to determine when the advanced anti-aliasing technique can be used to improve the font's quality. Some fonts, particularly older ones, may not contain the required hint information and will not look any different than they do in previous versions of NeoBook. However, fonts that do contain hint information should see a dramatic improvement in quality, particularly at larger sizes.
- Compressing compiled EXEs with the UPX utility is now optional and can be turned off from the Compile/Publish screen. Previously, NeoBook's runtime module was pre-compressed with UPX at the factory. It is recommended that you leave the UPX option turned on unless you plan to compress your EXE using an alternative utility or copy protection product. (A copy of UPX will be installed in your NeoBook 5 folder.)

UPX is a high-performance executable packer for Windows (and other operating systems). It provides excellent compression with no memory overhead or other performance drawbacks. UPX, Copyright (c)1996-2011 Markus Oberhumer, Laszlo Molnar & John Reiser. Additional information about UPX can be found at:
<http://upx.sourceforge.net>

- Added an "IE7 Compatibility Mode" option to the Web Browser object's Display Options. NeoBook's Web Browser object is based on the Microsoft Internet Explorer (IE) browser component included with Windows. By default, Microsoft's browser component renders

content as if it were displayed in version 7 of Internet Explorer (IE7). Newer versions of IE can display some types of HTML, CSS and web content differently. Uncheck the IE7 Compatibility Mode option if you want the Browser to use the actual installed version if Internet Explorer instead. (Note: This option requires NeoBook to create an entry in the Windows registry when your program runs. The registry entry is removed when your program closes. An article from Microsoft describing this issue can be found here:

[http://msdn.microsoft.com/en-us/library/ee330730\(v=vs.85\).aspx#browser_emulation.](http://msdn.microsoft.com/en-us/library/ee330730(v=vs.85).aspx#browser_emulation.))

- Added the following page related actions: SetPageBackground, SetPageEffect, ShowMasterPage and HideMasterPage. These actions can be used to modify a page's appearance programmatically.
- Added a PopulateStr action which can be used to populate variables contained within a string. NeoBook populates most strings automatically. The exception being strings that come from an external source such as a file loaded with the FileRead or FileToVar actions. After reading, if the file contained NeoBook style variables, you can use PopulateStr to replace all of the variables in the string with the current contents of those variables. For example:

```
FileToVar "[PubDir]sample.html" "[RawHTML]"
PopulateStr "[RawHTML]" "[PopulatedHTML]"
BrowserLoadFromStr "WebBrowser1" "[PopulatedHTML]"
```

- Removed limitations on the size, quantity and color depth of multi-resolution icons that can be used in a compiled publication. (See Book Properties > General.) Now you should be able to include virtually any size multi-resolution icon in your projects.
- Added a "Resized" action event (Book Properties > Actions). Actions placed here will execute whenever a user manually changes the width or height of the publication's main window (by dragging with the mouse for example). Under most circumstances, the Resized action should execute only once at the end of the resizing process.
- Added options to turn off the publication splash screen's border and progress bar. (See Book Properties > General.)
- Added a search box to the Variable Selector dialog. Typing into the search box will jump to the first variable beginning with the letters entered.
- Added Left and Right Click actions to the Simple Text object.
- Added a Right Click action to the List Box object.
- Added an alignment (left, center, right) option to the Text Entry Field object.
- Added an "Accept only characters listed below" validation option to the Text Entry Field object. This allows you limit input to a specific list of acceptable letters, numbers, etc. The list is case sensitive, so if you want both upper and lower case letters you must include both.
- Added a drop down list of common key combinations to the Short Cut Key field (see applicable object property screens). This allows uncommon shortcut keys (like delete and backspace) to be selected.
- Added an option to the SetVar action wizard to allow multiple lines of text/data to be entered more easily.
- Modified the BrowserSetElement and BrowserGetElement so that element names may also include the name of the frame and/or form the element belongs to. If the element name includes a frame, separate the frame and the element name with a period. If the element name includes a form, separate the form and the element name with a colon. For example:

```
HTML element only: "Element"
frame+element: "Frame.Element"
form+element: "Form:Element"
frame+form+element: "Frame.Form:Element"
```

- Added the following info types to the GetObjectInfo action: FillColor, FillStyle, FillTransparent, LineColor, LineStyle, LineWidth, FontColor, FontName, FontSize, FontStyle, FontCharSet.

Fixes

- Corrected a problem that caused the splash screen's border to appear transparent on some PCs.
- Corrected a problem that caused the Function Library to display an "error setting path" message on systems without a C: drive.

5.7.1 - June 3, 2011

Fixes

- Snapped objects from the master page and the current active page are now aligned correctly on-screen.
- Corrected a problem that caused some full screen applications to appear as a black screen when run under Windows XP. Other versions of Windows were not affected.
- The Math action no longer attempts to remove thousands separators (as defined in the Windows Control Panel) before performing calculations. This feature was added to v5.7.0, but caused problems when applications were shared between PCs with different regional settings.
- And several other minor fixes.

5.7.0/Fourth Build - February 21, 2011

Fixes

- VBScript and JScript Functions now execute correctly. This feature was inadvertently disabled in the previous build.

5.7.0/Third Build - February 19, 2011

Fixes

- Corrected a problem that caused the SetVar action to remove commas from variable content when the thousands separator (as defined in the Windows Control Panel) was also set to a comma.

5.7.0/Second Build - February 18, 2011

Fixes

- Corrected a problem that caused publications containing custom icons and compiled with the "runtime package" option to become corrupted.

5.7.0 - February 15, 2011

Enhancements

- Images can now be assigned to main and tray menu items. Smaller images (20 x 20 pixels) work best, but menu images can be as large as 64 x 64 pixels. Transparent PNG images are recommended, but any image format supported by NeoBook can be used. When importing non-transparent images, NeoBook will prompt you to select a color to serve as the transparent portion of the image.
- Added support for the following icon sizes:

16 x 16 x 4bit (16 colors)
32 x 32 x 4bit
48 x 48 x 4bit
16 x 16 x 8bit (256 colors)

32 x 32 x 8bit
48 x 48 x 8bit
16 x 16 x 32bit (16 million colors + alpha channel)
32 x 32 x 32bit
48 x 48 x 32bit
128 x 128 x 32bit *

* This icon may be replaced with a compressed 256 x 256 x 32bit icon provided that the compressed size is 67,624 bytes or less. The 256 x 256 icon must be compressed or it will not be compiled.

- Popup menus (Menu and MenuEx actions) are now drawn in the same style/theme as the main menu.
- The Menu and MenuEx actions now provide options to specify the width (in pixels) and the number of items to display before adding a vertical scroll bar to the menu.
- Added global variables [HTTPAgent] and [HTTPReferrer] which can be used with the InternetGet, InternetPut and DownloadFile action.
- The Math action can now be used with formulas that contain currency symbols and thousands separators (as defined in the Windows Control Panel). Before performing the calculation, the Math action will remove these characters from the formula. Previously, including any of these characters in a formula would result in an error.
- Added Gain Focus and Lose Focus action events to the Text Entry Object.
- It's now possible to trigger publication keyboard shortcuts when a Web Browser object has the input focus.
- Popup hints used to display the contents of large variables now appear beside instead of on top of the Debugger window.
- Compiled exe files are now compatible with digital signature utilities like SignTool.
- Added an option to the plug-in SDK to create hidden actions - simply set the action's description to "HIDDEN" (in English).

Fixes

- The FileList action now correctly returns only files that exactly match the specific filter. Previously, using a filter like "*.txt" would return *.txt, *.txt2, *.txt_backup, etc.
- Corrected a problem that caused the BrowserExecScript action to incorrectly identify the script language which would sometimes result in the script failing to execute.
- The FocusObject action now works with objects on "FixedPos" custom windows.
- CPU usage for popup menus and sticky notes has been greatly reduced.
- The Suspend action now works properly when used with the PlaySoundFile and PlayVideoFile "Wait" option.
- A picture object placed on the master page containing a file name variable based on the current page number or title will now correctly update itself when changing pages.
- InternetPos, InternetGet and DownloadFile can now be used with secure (HTTPS) servers.
- A picture object containing a tiled image that is either one pixel high or wide will no longer crash the Page Properties dialog.
- A playing AnimatedGIF can now be stopped from any page not just the page where the GIF resides.
- Clicking the right mouse button while dragging or sizing an object with the left mouse button no longer causes an access violation error.
- Web Browser object content (buttons, etc.) are now drawn using current Windows theme.
- The GetObjectInfo action's "Caption" option can now be used with ListBox and ComboBox objects.
- Corrected a problem that prevented grouped objects from being programmatically enabled or disabled under certain conditions.
- Corrected a problem that prevented the Math action from correctly calculating exponents with negative values.

- Eliminated excessive CPU usage when a compiled screen saver is selected from within the Windows Control Panel.
- And several other minor fixes.

5.6.4a - August 18, 2009

Maintenance update to address potential security issue.

5.6.4/Second Build - June 10, 2009

Fixes

- Corrected a problem that caused a “default printer not installed” error to appear when running NeoBook or a compiled publications on a some PCs configured without a default printer.

5.6.4 - May 23, 2009

Enhancements

- Added an option to Book Properties > Version Info to allow customization of the Vista/Windows 7 manifest included in compiled publications. Most NeoBook authors can safely ignore this feature and simply use the default "As Invoker" setting. Versions of Windows prior to Vista will ignore the manifest. (See the “Book Properties > Global” topic in the help file for more information about this feature.)
- Compiled publications now attempt to detect changes to the default printer made by the Windows Control Panel or other applications. Previously, a change in the default printer would not be recognized until the publication was restarted. (Note to Programmers: Your app should broadcast a WM_SETTINGCHANGE message if you alter the default printer.)

Fixes

- The Archive/Backup command now works correctly. A bizarre glitch in the software we use to “protect” NeoBook from hackers unexpectedly caused this feature to stop working in v5.6.3. Only the English version was affected.
- Corrected two compatibility issues related to Internet Explorer 8. The first caused an error message to appear when closing compiled publications containing embedded HTML content. The second prevented NeoBook from test running ActiveX (PKG) publications (formally known as web browser plug-ins) when IE8 was installed.
- Corrected a problem that prevented NeoBook from running on some Windows 95/98 systems. This was caused by a compatibility issue with the software used to “protect” NeoBook from hackers. This affected NeoBook only and not compiled publications.
- Corrected a problem that prevented Web Browser objects from redrawing properly when snapped to a container.
- The help file’s search feature now works correctly after being inadvertently disabled in the previous update.

Other

- The compiler option “Web Browser Plug-In” was changed to “ActiveX Control (PKG)” which more accurately reflects the type of application created. Hopefully, this will reduce confusion (and tech support questions) about this feature.

5.6.3 - March 18, 2009

Enhancements

- Added an incremental search feature to the Goto Page screen. This option allows you to quickly jump to a specific page in a large publication by typing either its page number or the first part of its title. The type of search is determined by the sort method selected (numeric or alpha). The Goto Page screen can be displayed by pressing F7.
- The debugger now shows the location of VBScript and JScript errors.
- Added a global variable called [WSHTimeout] which can be used to modify the timeout value (in seconds) used when executing VBScript and JScript functions. Use "-1" to disable the timeout feature. (WSH stands for Windows Scripting Host.)
- Added AbsLeft and AbsTop options to the GetObjectInfo action. Use these options to obtain the object's absolute position relative to the publication's window rather than its parent object.
- Added a Vista manifest to the publication runtime and ActiveX control. The manifest uses the "AsInvoker" option. The manifest will not affect the behavior of compiled publications, but should make running publications under certain high security Vista configurations simpler. (Note: 99.99% of NeoBook users don't need to worry about this.)
- And several other minor enhancements.

Fixes

- Corrected a problem that caused an access violation error when using the keyboard (page-up, page-down, etc.) to change pages under certain circumstances.
- List Box objects that have the "allow multiple selections" option enabled now correctly restore selected items when switching between pages.
- Its now possible to compile recursive functions. A recursive function is one that calls itself one or more times. Previously, including a recursive function in a publication would cause the compiler to crash.
- It's now possible to use extended ASCII/ANSI characters, such as "ç", in variable names.
- Made several changes to the ActiveX control (NB5ActiveX.ocx) to correct compatibility issues that surfaced when attempting to view pkg compiled publications on Vista PCs configured with non-admin accounts and User Access Control enabled.
- Corrected a problem that sometimes caused an access violation error when renaming objects from the Object List palette.
- Fixed a page printing problem that under certain circumstances could cause a portion of the current page's background redraw incorrectly.
- Transparent Animated GIFs now display correctly when their fill property is set to something other than "hollow".
- Corrected a problem that prevented empty List Boxes from redrawing properly when snapped.
- And several other minor fixes.

5.6.2 - November 24, 2008

Enhancements

- Added an incremental search feature to the Action Selector. Type the first few letters of the action you're looking for and NeoBook will jump to the nearest match.
- And several other minor enhancements.

Fixes

- Corrected compatibility problems caused by changes Adobe made to Flash 10. Previously, attempting to use NeoBook's Flash Player object with Flash 10 installed resulted in an access violation error.
- The debugger's pause/step feature is no longer disabled after displaying a custom window.
- The FileSaveBox action now correctly appends the appropriate file extension if the user selects one of the supplied file masks.
- The Linked-Article object now correctly renders RTF documents with non-standard line

- spacing.
- NeoBook can now be used with the Windows Data Execution Prevention (DEP) security feature turned on. Previously, attempting to run NeoBook on a PC with DEP turned on would cause NeoBook to crash. This issue did not affect compiled publications.
 - The file name for publications running in test mode has been changed from "PubName (Test).exe" to "PubName_Test.exe". This corrects a compatibility issue with certain versions of Oracle which doesn't like file names containing the "(" character.
 - And several other minor fixes.

5.6.1/Second Build - September 18, 2008

Fixes

- Corrected a problem that prevented page tabs from being dragged when a publication contained more page tabs than would fit along the bottom of NeoBook's screen.
- The tab key can now be used to navigate between text entry fields in publications compiled as web browser plug-ins. Previously, Internet Explorer would intercept tab keys and removing the input focus from the publication.

5.6.1 - September 12, 2008

Enhancements

- Added a high quality re-sampling option to the Picture object's stretch display mode. This option uses interpolation and averaging to produce a very high quality image. Resampling can be slightly slower than the normal stretch method, which simply expands the picture by enlarging some of the image's pixels.
- The Run action can now be used to execute shortcut (*.LNK) files.
- And several other minor enhancements.

Fixes

- The Align command now works correctly with Line objects.
- Corrected a problem with the Push Button object that caused display problems when one of the button image options was enabled, but no images were selected.
- Polygon objects containing images now display correctly when covered by another transparent object.
- The InternetLink action now works with URLs that contain bookmarks. (This may not work with some older versions of Internet Explorer.)
- Corrected some minor display issues specific to Windows 2000. (These only affected NeoBook and not compiled publications.)
- Starting NeoBook by double clicking a pub file in Windows Explorer no longer causes multiple copies of NeoBook to remain in memory.
- And several other minor fixes.

5.6.0 - August 19, 2008

Enhancements

- Upgraded user interface. This includes changes to the program's appearance as well as dozens of minor usability enhancements.
- Lines, ellipses, rounded rectangles, polygons are now anti-aliased. (Some users with very old computers may need to download GDI+ from Microsoft in order to take advantage of this feature.)
- Functions can now be written in VBScript and JScript in addition to NeoBook's built-in scripting language. Scripts can read and write NeoBook variables similar to the way it's done

- with the BrowserExecScript action. (A few examples are included in the Functions folder.)
- Added a word wrap option to the Action editor. (Right click editor window to activate.)
 - Added a comment/uncomment option to the Action editor. (Select a block of code and right click editor window to activate.)
 - Modified the MoveObject, MoveObjectAlongPath and GetObjectInfo actions so that object coordinates are relative to their parent objects. Previously, these actions required coordinates to be relative to the publication's window, which made it virtually impossible to move objects on containers or custom windows.
 - Added a sort option to the Goto Page dialog (activated with the F7 key) that allows pages to be sorted by title or page number.
 - The StrReplace action has been rewritten resulting in significantly improved speed.
 - The Balloon action now includes parameters for screen position and display options.
 - Added a global variable called [HttpPort] that can be used to specify a custom port for HTTP actions (InternetGet, etc.).
 - Debugger now shows long variables as tool tips.
 - Right clicking on debugger's variable list provides an option to copy contents to the clipboard.
 - Added an option to the plug-in SDK to notify plug-ins when the enabled state of host rectangle objects changes.
 - The Plug-In Installer now includes a move up/down option that can be used to alter the order that plug-ins appear in the Action Selector.
 - Added option to limit the types of objects that appear in an object selector (nbInterface) to the plug-in SDK.
 - Help files for installed Plug-Ins (those that have them) now appear in NeoBook's help menu. (In order for this to work the help file should have the same base name as the plug-in's nbp file.)
 - Added use Windows theme option to ComboBox object's properties. (This may not be noticeable on Windows versions other than Vista.)
 - Added case sensitive option to StrReplace and SearchStr actions.
 - Added a test button to the Function Editor to allow current publication to be run without closing the editor.
 - And several other minor enhancements.

Fixes

- It's now possible to draw polygon objects directly onto a container object.
- Corrected several redraw problems associated with resizing snapped objects at runtime.
- Corrected a problem that prevented full screen publications from running correctly under Vista in 32-bit color mode.
- Fixed several issues related to displaying custom windows after programmatically changing a publication's window order state to "on-top".
- Corrected several issues related to refreshing of media player objects.
- The function editor no longer adds an extra empty line when saving files.
- The FileSize action now works with files larger than 2GB.
- The FolderExists action no longer returns true when passed an empty folder name.
- Code inserted into the action editor via the "Insert Action" button can now be undone.
- And several other minor fixes.

5.5.4 - May 10, 2007

Fixes

- Corrected a problem that prevented the Plug-In SDK's nbVerifyLicense function from working correctly with runtime plug-in (nbr) files. This only affected commercial plug-ins that used the runtime (nbr) feature.

Enhancements

- Added an auto-sort option to the Set Tab Order dialog. The Auto-Sort (Across) and Auto-Sort (Down) buttons will attempt set the tab order based on the object's screen coordinates. Deciding on the appropriate tab order can be somewhat subjective, so the computer may not always make the best choices. However, you will be given an opportunity to fine-tune the tab order before making the changes permanent.
- Several visual cues have also been added to the Tab Order dialog to assist in identifying objects.
- When using the "Prevent multiple copies of this publication from running at the same time" option (Book Properties > Access), NeoBook will now check for the presence of a special subroutine called `CommandLine_OnChange`, and execute this subroutine whenever a user attempts to start more than one copy of your publication. For example:

```
:CommandLine_OnChange
  MessageBox "Warning" "You are only allowed one copy at a time."
Return
```

The `CommandLine_OnChange` subroutine is particularly useful if your publication uses the global `[CommandLine]` variable to load external files at startup. Prior to executing `CommandLine_OnChange`, NeoBook will automatically update the contents of the `[CommandLine]` variable with the command line of the second instance. This is useful if you have registered a file type association with Windows, which allows users to start your publication by double clicking on a file matching the association. Windows passes the name of clicked file to your publication via the command line which you can intercept using the `[CommandLine]` variable.

- And several other minor enhancements.

5.5.3b - February 1, 2007

Fixes

- Corrected a problem that prevented author-defined version information from being written to the compiled publication exe.
- System tray applications that start minimized in the tray now properly respond to the tray icon's "Open" menu command (SetVar "[WindowState]" "Normal"). Previously, selecting "Open" from the tray icon's menu would not restore the pub's main window. However, left clicking the tray icon did correctly restore the window.
- The Flash object's Finished Playing action now works correctly. This feature was inadvertently disabled in version 5.5.3a.

Enhancements

- Added a "use internal loop settings" option to the Flash Player object's properties screen. Enabling this option tells NeoBook not to modify the SWF file's internal loop settings. Some unusual SWF files will not display properly unless this option is enabled. The majority of SWF files do not require this option.

5.5.3a - January 17, 2007

Fixes

- Corrected a problem that prevented the CloseWindow and CloseCustomWindow actions from working when running publications in test mode. The actions worked correctly when used in compiled publications. (This problem was accidentally introduced to version 5.5.3.)
- The Configure Tools option now allows the "=" and "]" characters to be used in program

parameters.

5.5.3 - January 10, 2007

Enhancements

- Added a command line compiler option. To use the command line compiler, simply start NeoBook with the /C switch followed by the full path and file name of the publication to compile. For example:

```
NeoBook.exe /C "C:\Program Files\NeoBook 5\My Pubs\Sample.pub"
```

The command line compiler will only accept one publication file at a time. The publication will be compiled using the publication's last saved compiler configuration. Make sure NeoBook is not already running before using the command line compile option. NeoBook will close after the compilation is complete.

- The folder selector used in NeoBook and the FolderBox action now includes a create folder button. (This option is only supported on Windows 2000 and higher.)
- Added support for optional NeoBook specific command line parameters to the Configure Tools option. In addition to normal command line options, you may incorporate any of the special codes below into the parameter field of programs launched from the Tools menu:

%o The path and file name of the currently selected object (if any). For example, if the selected object is a Picture, then %o will represent the name of the image file assigned to the Picture.

%f The Full path and file name of the current publication.

%p The drive and folder where the current publication resides.

%n The file name only of the current publication.

- The File List option now displays file names for True Type fonts.
- Variables can now be hidden from the debugger by adding the special prefix "*/*" to the beginning of the variable's name. This will be of primary use to plug-in developers who want to store private information in NeoBook variables. For example:

```
SetVar "【*/*SecretCode】" "I don't want anyone to see this"
```

Fixes

- Included a patch to prevent the "Error while unpacking program, code LP5." problem that appeared when attempting to run NeoPBook on PCs with a utility called "Pest Patrol" installed. Evidently, a recent update to Pest Patrol, which is included with anti-virus software published by AOL and Computer Associates, contains a bug that interferes with the security software used to protect NeoBook. (A number of other software vendors also reported problems with Pest Patrol.) The company that makes NeoBook's security software released an update to work around the Pest Patrol bug which was implemented in this update.
- The SendKeys action now works correctly under Windows 98. Other versions of Windows were not affected.
- The Compile screen no longer flags the publication as modified unless changes are made to the compiler options.
- Fixed a problem that caused scroll bars to appear when running a publication in full screen mode where the publication size and the screen resolution were the same.
- The CloseWindow action now works correctly with embedded files while running in test mode. Previously, this feature only worked with compiled publications.
- The registry save option (Book Properties > Window) will no longer modify the publication window's width and height unless the "sizeable" option is enabled.

- And several other minor fixes.

5.5.2a - October 11, 2006

Fixes

- Corrected a problem that prevented publications compiled with the “Compile as runtime package” option from running.
- Fixed a problem with the [WindowState] global variable that prevented it from being used to minimize and restore the publication’s main window.
- Publications compiled as “Web Browser Plug-Ins” now correctly display the hotspot cursor for Simple Text and Article objects containing hypertext.

5.5.2 - September 22, 2006

Enhancements

- Added a global variable called [DecimalSymbol] that can be used to change the character separating the integer part and the fractional part of a number. The default value is determined by the settings in the Windows Control Panel. Changing this variable only affects the current publication. It has no effect on Windows or other running applications. Plug-ins are also not affected unless they have been specifically designed to check for changes to this variable.
- Added two global variables called [PubLeft] and [PubTop] that contain the position of the upper left corner of the interior of the publication window (the client area) in screen coordinates. These values can be added to the coordinates of an object to determine its absolute position relative to the entire screen.
- Added an option to the debugger’s variable list that makes it easier to edit multi-line variables.
- Added options to the Plug-In SDK’s nbInterface function that allow developers to call NeoBook’s File Selector and Advanced File Options dialogs.

Fixes

- Corrected a problem that prevented compiled publications containing embedded fonts from loading correctly on multi-user PCs with limited access rights.
- Fixed a problem with the InternetPost action that caused the publication stop responding to input after receiving data from the server.
- Fixed a problem that could cause menu titles to be mysteriously moved in the Menu Designer (Book Properties) under certain conditions.
- Corrected an issue that prevented publications running in full screen mode from being closed by the CloseApp action.
- The Math action’s Trunc and other functions can now be used with extremely large numbers.
- The ImageWindow and TextWindow actions can now be used with file names containing the “[“ and “]” characters. Although it is recommended that these characters not be used in file names if possible.
- The Auto-Size option now works correctly with Radio Buttons and Check Boxes with variables in their captions.
- Corrected a problem with the SetObjectFont action that prevented it from being used to modify Simple Text objects containing variables.
- Fixed a problem that prevented the ClearVariables action from deleting variables created with DefineVar under certain conditions.

5.5.1 - July 12, 2006

Enhancements

- Added a Double Click action to the List Box object.
- Added an “Async” option to the DownloadFile, InternetFileExists, InternetFileSize, InternetPost and InternetGet actions. Enabling the Async option allows NeoBook to respond to other input while waiting for an HTTP action to be completed.
- It’s now possible to use the BrowserSetElement action with “file” type elements.
- Added a global variable called [PageCount] that contains the total number of pages in the publication.
- The ActiveX control’s download security dialog now offers users a choice of English, French, Italian, Spanish and German text.

Fixes

- Subroutines associated with the MoveObjectAlongPath and Run actions are now correctly executed. This option was inadvertently disabled in version 5.5.0.
- The screen saver preview image now displays correctly in the Windows Control Panel.
- The Align command can once again be used to align a single object to the page.
- The Text Entry Field now correctly handles the “Large Fonts” option. Previously, using large fonts with single line Text Entry Fields could cause the bottom of some letters to be cut off.
- The PrintToFile action now correctly positions the page footer on A4 and larger paper sizes.
- It’s now possible (although not recommended) to display an Alert Box within Mouse Enter/Exit actions.
- Corrected a problem that caused the NeoBook ActiveX control’s download security dialog to appear underneath certain types of IE windows.
- The InternetFileExists action no longer displays an error message when the requested file cannot be found.
- And several other minor fixes.

5.5.0 - June 20, 2006

Enhancements

- Added a “Run (from this page)” command to the Book menu. This command runs the entire publication in test mode, but starts execution on the current page.
- Added a Version Info option to the Book Properties > General screen. This option allows the compiled exe’s version, company name, copyright, etc. properties to be customized. The new global [PubVersion] variable will contain the version number entered here including the current build number.
- The Function Library and Call action now allow functions to be organized into subfolders. Added to the Function Library screen are additional tools for creating sub folders, moving, renaming and editing functions.
- Added a FileSize action that can be used to get the size of external or embedded files.
- The memory requirements of the Linked-Article tool have been dramatically reduced. This will allow much larger text files to be used.
- Added BrowserGetElement and BrowserSetElement actions to retrieve and set the contents of HTML elements contained within a Web Browser object. For example, to set an HTML-based Text Box called “FirstName” to “Joe”, use the following action:

```
BrowserSetElement "WebBrowser1" "FirstName" "Joe"
```

To Retrieve the contents of the same HTML-based Text Box, use:

```
BrowserGetElement "WebBrowser1" "FirstName" "[Name]"
```

- Added a BrowserExecScript action to execute Java or VB scripts inside a Web Browser object. For example, the following action will replace the contents of WebBowser1 with “Hello from NeoBook!”:

```
BrowserExecScript "WebBrowser1" "text=[#34]Hello from  
NeoBook![#34];|document.write(text);" "JavaScript"
```

The user must have the appropriate Internet Security/Active Scripting option enabled in order to use this feature.

- Added three special *external* methods that can be used to interact with NeoBook from Java or VB scripts running inside a Web Browser object. The methods nbGetVar and nbSetVar can be used to read and write NeoBook variables. For example, the following JavaScript copies the contents of an HTML Text Box called FirstName to the NeoBook variable [Name]:

```
window.external.nbSetVar( '[Name]', mainform.FirstName.value );
```

This JavaScript copies the contents of the NeoBook [Name] variable back to the FirstName Text Box:

```
mainform.FirstName.value = window.external.nbGetVar( '[Name]' );
```

Finally, the external method nbExecAction can be used to execute NeoBook actions from a Java or VB script:

```
window.external.nbExecAction( 'AlertBox "Hello" "Hello from the Web  
Browser!"' );
```

- Added a global variable called [HTTPTimeOut] that can be used to specify the number of milliseconds NeoBook should wait for an HTTP action to return before giving up. By default NeoBook will wait forever.
- Added a global variable called [HyperlinkClickedText] that contains the text of the most recently clicked hyperlink. This applies to the Article, Linked-Article and Simple Text objects.
- Added an option to the Book Properties > Window screen to disable the publication window's close button.
- Added a global variable called [ShutdownSource] that can be used in conjunction with [ShutdownStatus] from a publication's Shutdown action to determine the source of a close request. [ShutdownSource] may be one of the following:

NeoBook	NeoBook's Exit action.
Windows	Shutdown request originated with Windows.
CloseButton	User clicked on pub window's close button/system menu.

- Added global variables called [PageNumberLeft] and [PageNumberRight]. These can be used to display the appropriate page numbers with publications that simulate the appearance of two facing pages.
- Added an option to customize the hourglass/busy cursor to the Book Properties > General screen.
- The Math action can now automatically determine the optimal number of decimal places by passing "-1" in the second parameter (decimal places).
- Added an option to turn off the depress effect to the Push Button Properties screen. The depress effect causes the button image to shift to the right and down one pixel when the button is clicked.
- The ClearVariables action now includes an optional parameter that can be used to pass a list of variables to be cleared. Separate multiple variables with comma or pipe "|" characters. For example:

```
ClearVariables "[FirstName],[LastName],[Street],[City],[State],[Zip]"
```

Leave the parameter blank to clear all variables.

- NeoBook's NB5ActiveX.ocx control now prompts users before downloading a compiled publication pkg file for the first time. The prompt alerts users to the potential risk and allows them to OK or Cancel the download. The prompt only appears when downloading a new pkg file over the Internet. Pkg files that are already installed on the system will not generate a prompt.
- NeoBook's NB5ActiveX.ocx control can now be installed as a component in other programming environments that support ActiveX controls. This will allow Delphi, Visual Basic, C++, etc. programmers to incorporate compiled NeoBook publications into their applications. Methods have also been added to the ActiveX to allow programmers to access NeoBook variables and execute NeoBook actions.
- After opening a custom window, NeoBook will now store the handle (HWND) of the window in a special variable called [ObjectName.WinHandle]. ObjectName is the name of the object used to create the custom window.
- Added [AppID.ProcessID], [AppID.ProcessHandle], [AppID.WinHandle] global variables to provide technical information about applications launched with the Run or RunInRectagle actions. These variables will generally only be of interest to plug-in developers.
- Added an option to the Book > Run Options command that can be used to write a list of executed actions to a log file. This can be useful for debugging complex action scripts. Windows Notepad can be used to view the log files.
- The Flash Player now has the ability to intercept non-NeoBook specific FSCommands by defining a special subroutine called ObjectName_FSCommand. (ObjectName is the name of your Flash Player object.) Before calling the subroutine, NeoBook will create two variables called [ObjectName.fsCommand] and [ObjectName.fsArgs] containing the information passed from the SWF file to NeoBook. The contents of these variables can be almost anything, so some knowledge of the SWF file will be helpful when deciding how to interpret this information. For example:

```
:Flash1_FSCommand  
  AlertBox "FSCommand" "[Flash1.fsCommand], [Flash1.fsArgs]"  
Return
```

- The Tab Order dialog box can now be resized.
- Added support for separate design-time and run-time plug-ins. This allows developers to create two versions of their plug-ins - one containing code required for design-time, such as interface wizards, and one containing only the run-time code. In theory, the run-time version should be reduced in size, resulting in smaller compiled publications. To create run-time plug-in, simply change the file extension to ".nbp". Design-time plug-ins use the normal .npb extension. Both files should be installed into the same NeoBook\Plug-Ins folder. The use of run-time plug-ins is optional. For compatibility with older versions of NeoBook, design-time plug-ins (.npb) should always include both design-time and run-time code.
- Added support for plug-ins written in Borland C++Builder. See developer's kit (SDK) documentation for details.
- Added nbRenderEffectEx procedure to plug-in SDK. This is an extension to the existing nbRenderEffect procedure that provides additional parameters that developers of transition effect plug-ins may find useful. See SDK documentation for details.
- The Align screen can now be used with Container-based objects.
- And several other minor enhancements.

Fixes

- Improved the display quality of 32-bit PNG alpha channel images. Previously, a banding effect could occur when either the image or the background contained a complex gradient. Also corrected transparency problem that affected the display of certain 32-bit PNG images under Windows XP-SP2.
- The compiler's Setup option has been rewritten to correct an unusual problem that affected

installation programs created for extremely large publications. Previously, when installing large publications, the setup.exe would occasionally introduce a random flaw into files as they were being uncompressed onto the users hard drive. Under certain circumstances the flaw would prevent the publication exe from running. This problem only affected extremely large publications.

- The Embedded Files feature now works correctly with executable (exe) files. Previously, embedded exe files would not be compiled inside the final publication exe. This problem also affected the ExtractFile action.
- The ComboBox and ListBox objects now work correctly with short cut keys.
- The Missing Files Report's print option now works correctly.
- Fixed a problem that caused the PrintTextFile action to double the number of requested copies when the "display windows print setup screen for all print actions" option was turned off.
- Modified the mouse enter and exit actions to insure that they are executed in the proper order. Previously, moving the mouse rapidly over multiple buttons could cause mouse enter or exit actions to execute in the wrong order or not at all.
- Custom windows now work properly with "stay-on-top" style publications.
- Corrected a problem that could cause cartoons to display incorrect transparency information under certain circumstances.
- The RefreshObject action now works correctly with the Flash Player.
- Fixed a problem with the Find action that caused Simple Text and Article objects on the master page to flicker when searching large publications.
- Fixed "invalid floating point error" message that occurred when displaying web pages containing buggy JavaScript code inside the Web Browser object. NeoBook now instructs the CPU's math coprocessor to ignore floating-point exceptions. This will effectively prevent the error message from being displayed which is how Internet Explorer deals with this problem.
- Linked-Articles can now be used with Rich Text files (RTF) containing images.
- The PrintPage final option now works correctly with Linked-Articles. Also fixed a problem that prevented some objects containing small blocks of text from being clipped incorrectly when printing in final mode.
- And several other minor fixes.

5.0.3 - August 4, 2005

Enhancements

- Added a global variable called [MailPort] for use with SMTP servers that must be accessed through a port other than 25 (the default). For example:

```
SetVar "[MailPort]" "80"  
SendMail...
```

- An option to display the full path and filename in the title bar of the publication's window was added to the Preferences screen. This option works within NeoBook only and does not affect compiled publications.
- The Page Layout screen now shows page numbers in addition to page titles.
- The FileWrite action can now be used with "!" and "All" to write data to a file without converting pipe characters into carriage returns, etc. For example:

```
FileWrite "filename" "All" "![Data]"
```

- The SystemInfo action can now be used to obtain the contents of system environment variables. This can be useful in network environments and with copy protection utilities like Armadillo. For example:

```
SystemInfo "%PATH%" "[Result]"
```

Fixes

- The compiler now correctly parses and compiles HTML documents containing cascading style sheets (css).
- Corrected a problem with InternetPost, InternetGet, InternetFileExists, InternetFileSize and DownloadFile that could cause these actions to fail with some types of servers.
- When the Animated GIF player's "auto-rewind" option is disabled, and playback is stopped in the middle of a file, the active frame will now remain on screen. Previously, stopping playback before reaching the end of the file would rewind back to the first frame even though auto-rewind was off.
- When running NeoBook-created exe's, the RunInRectangle action now prevents the program's main window from flashing briefly on-screen and the program's icon from appearing in the system tray.
- Fixed a problem with the Push Button property screen that sometimes caused the "Use XP Theme" button to interfere with the object's "Hollow/Transparent" settings.
- The SendMail action's "From" parameter now allows extra data to be included as part of the email address. For example: [John Doe <johndoe@spiffylink.net>](mailto:John.Doe@spiffylink.net)
- The Run action now allows file and path names to include apostrophes. For example: "c:\Bob's Stuff\MyProg.exe".
- The compiler's "compress and encrypt publication source code" option can now be used safely with Polygon's containing images. Previously, this combination could sometimes result in a compiled publication that wouldn't load properly.
- Fixed a problem with the FileRead action that could cause subsequent reads to fail after attempting to read beyond the end of a file.
- The Cut, Copy, Duplicate and Align commands now work correctly with objects that are members of a group.
- The PrintImageFile action now correctly prints WMF format images.
- Corrected a problem that prevented compiled NeoBook exe's from being protected with Armadillo, Software Passport and other copy protection utilities.
- And several other minor fixes.

5.0.2 - May 4, 2005

Fixes

- Corrected a problem that caused the DefineVar Action wizard to occasionally display corrupted text. This was caused by a compatibility issue with the copy protection software used to prevent NeoBook from being decompiled.
- The polygon object now correctly saves the transparent/opaque settings for background images.
- The example HTML file created when compiling Web Browser Plug-Ins now include the NActiveX.ocx control's current version number.
- The PrintImageFile action now prints black and white images correctly on all printer models.
- The Web Browser object's Before Navigate Action now allows the destination URL to be modified programmatically as described in the user's guide.

5.0.1 - April 25, 2005

Enhancements

- The MoveObjectAlongPath Action now includes an option to align the object's center or left/top along the trajectory. Previously, only center alignment was supported.
- An option was added to the compiler progress screen to allow compiled publications to be launched automatically after compiling.
- The debugger's error/breakpoint screen now includes an option to enter step mode.

- Added a global variable called [SystemLanguageExt] that returns the standard three-letter extension for the active system locale (language). For example: “ENU” for English (United States).
- An explanatory screen was added to describe how NeoBook’s compiler handles external file names. This screen appears when selecting external files from the Action command wizard.
- The LoadVariables Action can now be used with embedded files.
- In addition to the default “neobook:” prefix, Actions embedded inside HTML documents displayed in the Web Browser object can optionally use the publication’s title instead. However, if your title includes spaces, they must be removed. For example, if your publication’s title is “My Super Duper Program”, then the hyperlink should look like this:

```
mysupercoolprogram:GotoPage "Main"
```

Fixes

- The Call action now works correctly with compiled functions.
- Fixed a problem that prevented publications from loading HLP format help files. Previously, only CHM format help files could be used.
- Fixed a problem that prevented some types of 32-bit alpha channel PNG images from loading and displaying correctly.
- Rich Text Format (RTF) documents containing the “Times New Roman” font now print correctly. Previously, documents using this font would sometimes print outside the defined margins. It’s possible that other fonts could have also been affected by this problem.
- The Object Info palette now accepts negative left/top object coordinates.
- It is now possible to use HideObject from within a DragDrop Action. Previously, it was not possible to hide the object being dragged from within this action.
- Fixed an unusual problem that prevented test mode publications from shutting down properly after dragging text or file names onto Text Entry objects.
- The compiler’s HTML parser now properly identifies form-based content/tags.
- The SetObjectFont Action can now be used with Simple Text objects that are located on pages other than the current page.
- Fixed errors that occurred when showing or hiding the Media Player object’s VCR controls.
- Calling Suspend “False” now correctly clears the keyboard buffer.
- The PrintSetup Action now works correctly when the “display Windows print setup screen for all print actions” option (Book Properties > Access) is turned off.
- Fixed a problem with the ShowObject and HideObject Actions that caused Article objects to flicker or display incorrectly under certain circumstances.
- The FileOpenBox and FileSaveBox Actions now correctly display the Windows file selector under Windows 95/98. Previously, the file selector would display correctly, but moving it would cause it appear underneath the main publication window. This problem did not occur under Windows 2000 or XP.
- Black & white CCITT format TIFF files are once again supported.
- Corrected a problem that caused the Value Changed Action to execute whenever the Track Bar object’s position variable was updated. This caused problems when Media Players and Track Bars were linked to a common variable.
- It’s now possible for a publication to have a blank title. Previously, if the title was left blank, NeoBook would replace it with “untitled”.
- The Compiler’s “compile as runtime package” option no longer interferes with running publications in test mode.
- Simple Text objects now handle multi-line hyperlink Actions correctly. Previously, hyperlink Actions would not execute if they contained more than a single line of code.
- Simple Text objects containing nested variables are now correctly updated when the contents of the variables are changed programmatically.
- The PrintToFile Action now correctly interprets special header/footer formatting codes.
- The Web Browser object now correctly identifies the version of Internet Explorer for users that have limited access rights under Windows 2000 and XP.

5.0.0 - March 15, 2005

- Original Release

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