



April Developer Newsletter

BLACK ICE SOFTWARE

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64 bit Printer Drivers Are Here

The 64 bit printer drivers are finished, and ready for purchase. 64 bit printer drivers are now available for both Vista/XP and terminal server operating systems. Monochrome, Color, PDF, ColorPlus, and EMF drivers are all available this month. You can contact our sales department by sending an email to Sales@Blackice.com to request information on pricing.

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Printer Driver RTKs for 64 bit Printer Drivers

Black Ice Software announces the availability of our printer driver resource tool kits (RTKs) for the new 64 bit user-level printer drivers. The 64 bit platform has some limitations due to several factors, therefore the 64 bit RTK will have less features than the current 32 bit version.

The 64 bit RTKs won't contain J# samples, because you can not create 64 bit J# samples with Visual Studio 2005. It's currently not supported.

The 32 bit RTK contained sample applications in Visual Studio 6, these samples in supported languages will be replaced with new Visual Studio 2005 samples. You can rebuild the RTK samples with the new 64 bit development environment.

Currently, Delphi doesn't support 64 bit operating systems and 64 bit development. Since you will not be able to create 64 bit applications with Delphi, the Delphi sample

source codes are removed from the 64 bit RTKs.

The 64 bit RTKs will contain the 64 bit versions of the Black Ice DLLs and ActiveX controls, so you will be able to create 64 bit applications easily. You can also modify your existing applications to support 64 bit operating systems (for example VISTA or Microsoft Windows TS 2003).

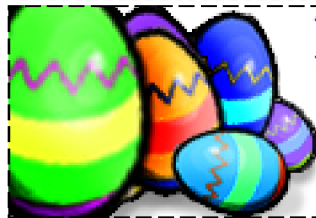
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15% Off Black Ice PDF-417 Barcode SDK

20% Off 64 bit Printer Drivers

Valid April 1st - April 30th, 2007

Text search in Black Ice PDF library

The new Black Ice PDF library will support text searching in a PDF file. It will support searching in both directions (forward or backward), and you will be able to add case sensitivity and whole word searching. It will be possible to search in a page or in the whole PDF document.

In the second case searching continues from a page after it finds the word. You can get the 1-based index of the page where the word or expression has been found and the region handle (HRGN) that covers the found text, which will allow the user to visually display the found text. The

search can be continued from the last found word position. After a search, it is possible to get the full text of the page where the searched text was found, so for example you can check the area around the found text. (Note: the order of the words in the text will fol-

(Continued on page 2)



Black Ice PDF-417 Barcode Reader

A new version of the PDF-417 Barcode Reader with several minor improvements has been deployed. The update includes a more robust algorithm to detect skew angle of PDF-417 symbols as well as a reading approach that requires

less QuietZone around the symbol in case of horizontal or vertical barcodes. The update addresses several issues that customers might have experienced, and improves the reliability of the reader with high complexity images.

(Text Search in PDF Continued from page 1)

low the actual position of the words in the PDF file, not necessarily the seen location on the display, so in the case of certain PDF files, the returned text might not be the same as what you would expect.)

The following code snippet shows the usage of the text search module in the PDF DLL. It sets case sensitivity to false, whole word search to true. It starts searching for the word "Reference" from page 1. First, the code gets the text of the page where it found the word for the first time then it gets the region that covers the found text. After that it continues the search.

```
// set case sensitivity to false
pdf.SetCaseSensitivity(false);
// set whole word search to true
pdf.SetWholeWordSearch(true);
// search the "Reference" word from the 1st page
pdf.SearchText(1, "Reference");
// get the index (1-based) of the page where the search found the word
int pageIdx = pdf.GetPageIdxOfFoundText();
// get text of the page
char buffer[1024];
int requiredBufferSize;
if( !(requiredBufferSize = pdf.GetTextOfPage(buffer)) ){
    AfxMessageBox("Buffer is too small!");
}
// get the region that covers the found word
CClientDC dc(this);
CRgn rgn;
pdf.GetRegion(dc, rgn);
rgn.DeleteObject();

// search the second occurrence of the "Reference" word
pdf.ContinueTextSearch();
pageIdx = pdf.GetPageIdxOfFoundText();
pdf.GetRegion(dc, rgn);
```

Drag and drop in Thumbnail browser

Black Ice has added some new features to the Thumbnail browser control.

If you want to delete one or more image files from a directory, this is possible to do in two ways. You can use the popup menu (right click on image) or the File/Delete menu.

Now you can also use the Drag & Drop technique. The user can drag files from a file manager program (Windows Explorer, Total Commander...) and then drop it into the Thumbnail Window (into the current directory) or into the tree control (into a directory). The dropped files are cop-

ied to the directory where the user dropped them.

You can drag one or more images from the Thumbnail Window and then drop them into the tree control or into an external file manager program or into other programs that can handle Drag & Drop.



Notice:

Black Ice Software has ceased development of the Printer Drivers for Windows 95 / 98 / ME, and they will be discontinued at the end of this year. Black Ice Software will no longer support these drivers after January 1st, 2008.



What's new in Install Shield 12 Driver Install Sample?

The Release RTK's have a new Install Shield 12 Driver Installation sample that demonstrates how to create an installation for your own printer driver. The main feature of this sample is that it shows you how to install a printer driver to a 64 bit operating system. The following sections describe how the install project uses the printer driver files delivered with the printer driver RTKs within the install sample directory. Following this description will help you to add your own printer driver file structure to the proper location in your installation.

The sample contains the printer driver files, manuals, readme files, and distribution information in the directory:

```
<TARGETDIR>\Install\Install Shield project\[PRINTER TYPE]\Release\Driver Files
```

The support dll that is used during the installation is located in a different location than in previous Install Shield versions. The linked file is not stored in a secondary path anymore, the support dll is linked to it's original destination. The sample uses MyDll_NT.dll, which is located in:

```
<TARGETDIR>\Install\Install Shield project\[PRINTER TYPE]\Release\Driver Files\MyDll_NT.dll
```

Add your support dll file in the install shield project section "Behavior and Logic\Support files\Language Independent".

The splash screen bitmap is located at:

```
<TARGETDIR>\Install\Install Shield project\[PRINTER TYPE]\Release\Setup Files\Uncompressed Files\Language Independent\OS Independent\Setup.bmp
```

The following section contains the printer files groups:

"Organization\Setup Design", or "Organization\Component" to group these files.

Launch the InstallShield project from the start menu:

```
Start Menu\Programs\Resource Toolkit for the Color Printer Driver for Vista\Sample Applications\Install Samples\InstallShield 12 Install Sample
```

Or you can launch the InstallShield project manually at:

```
<TARGETDIR>\Install\Install Shield project\[PRINTER TYPE]\Release\[PRINTER TYPE] Driver NT user-level Setup.ism
```

To rebuild the install media use the menu command: Build\Build Release

You will find the rebuilt media in the following destination:

```
<TARGETDIR>\Install\Install Shield project\[PRINTER TYPE]\Release\Media\Release\Disk Images\Disk 1
```

The following sections set the target operating systems, such as "Vista", for your installation:

For the whole project

```
Installation information\General Information\Project properties\Platforms
```

For a specific component

```
Orangization\Components\[component name]\Operating Systems  
Orangization\Components\[component name]\Platform Suite(s)
```

For the media

```
Media\Release\[Media name]  
Lunch Media Wizard (right mouse button)  
Platforms
```

The InstallShield sample for the printer demonstrates how to plan an install process, to prepare an installation package by collecting the necessary files, set registers for ActiveX controls, and create your own printer driver installation.

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Time to upgrade?



Latest Version Numbers

Printer Drivers			Impact Products		
Printer Drivers for ME/98/95 Mono, Color, ColorPlus, EMF, PDF	5.81	4/13/06	Impact Fax Server	7.05	10/30/06
Printer Drivers for XP/2000/NT Color, ColorPlus, EMF, Mono, PDF	10.0	2/1/07	Impact Fax Broadcast	5.11	11/29/06
Printer Drivers for 2003, Citrix and Terminal Servers Color, ColorPlus, EMF, Mono, PDF	10.0	2/1/07	Impact Fax on Demand	4.08	7/2/02
			Impact ColorFax	7.02	8/15/06
			Drag and Drop Printing	2.00	12/24/02
			Internet Tools		
			Print2Email	5.13	10/19/06
			Tiff Viewer Plug-in - Complete	8.0	4/1/07
			Print Monitoring Server	3.00	9/16/04
			Print2RDP	3.0	9/6/06
			Voice2Email	2.01	4/20/05
			Print2FTP	2.02	8/15/06
			Free Software		
			Impact ColorFax Lite	7.02	8/15/06
			Tiff Viewer Plug-in - Free Version	8.0	4/1/07
			ModemWeasel	2.00	8/01/02

