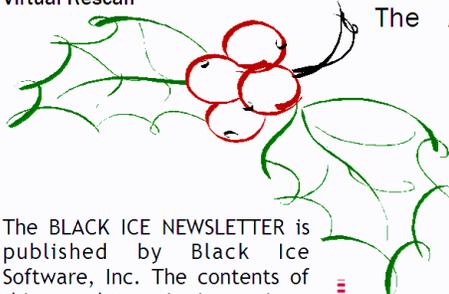




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Printer Driver—New Auto Print Samples

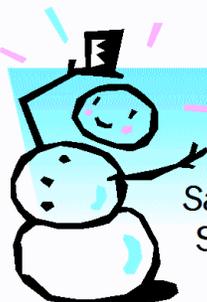
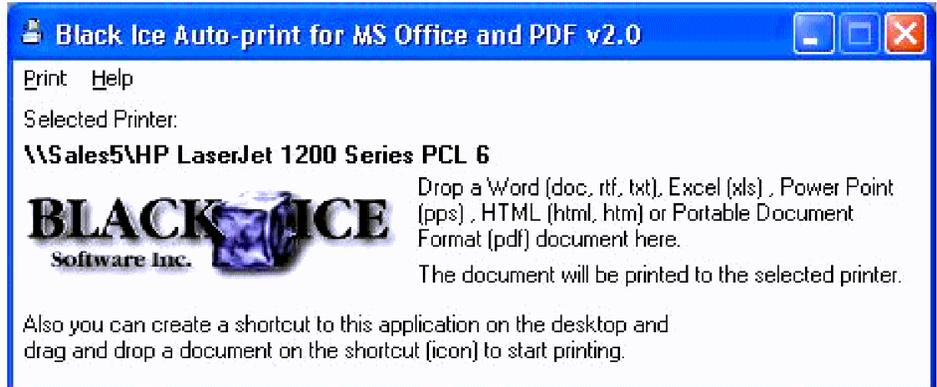
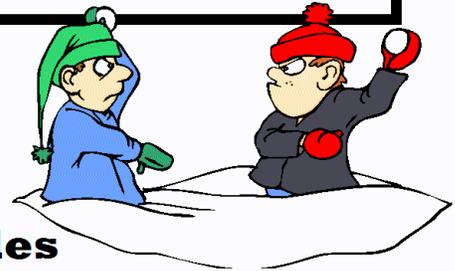
The Black Ice Printer Drivers include a Batch Converter add-on to the printer driver and an Autoprint sample, enabling developers to programmatically print documents and monitor a specified directory and/or email address and automatically convert any files in the specified directory or incoming emails.

The AutoPrint sample

allows users to drag and drop supported files onto the application window, and these files will be programmatically printed to the Black Ice printer driver for conversion into TIFF, JPEG, PDF or other supported formats. The AutoPrint samples utilize the BI-AutoPrint DLL/OCX for the automated printing, and source code for the BIAutoPrint components are included with the

resource toolkit

Developers can modify this sample later on to fit their exact needs by adding additional features as well as support for additional document types. Version 9.80 of the Black Ice Resource Toolkit include the AutoPrint sample written in C++, VB, C#, VB .NET and Delphi.



Holiday Sale!

Save 15% on any New Black Ice Development Tool and
 Save 10% on any Upgrade purchased in the month of
 December 2005



New Redirect Printing Samples

Redirect printing provides the user with the ability to print to the Black Ice Printer Driver and simultaneously redirect printing to one or more additional printers. This provides the opportunity to print to a physical printer at the same time that the Black Ice Printer is generating an image. This unique printer driver technology is available only from Black Ice Software. Redirect printing is available for the Windows XP/2000/NT and Windows 2003, Citrix and Terminal Server printer drivers from Black Ice Software. It is possible to specify any available printer on the network to redirect the printing to, including shared printers. The Black Ice Printer Driver can also be forced to use the settings of the redirect printer such as Resolution, Paper Size, Physical Paper Margins, etc.. This simple but powerful option guarantees that the redirected printing is identical to the image created by the Black Ice Printer Driver.

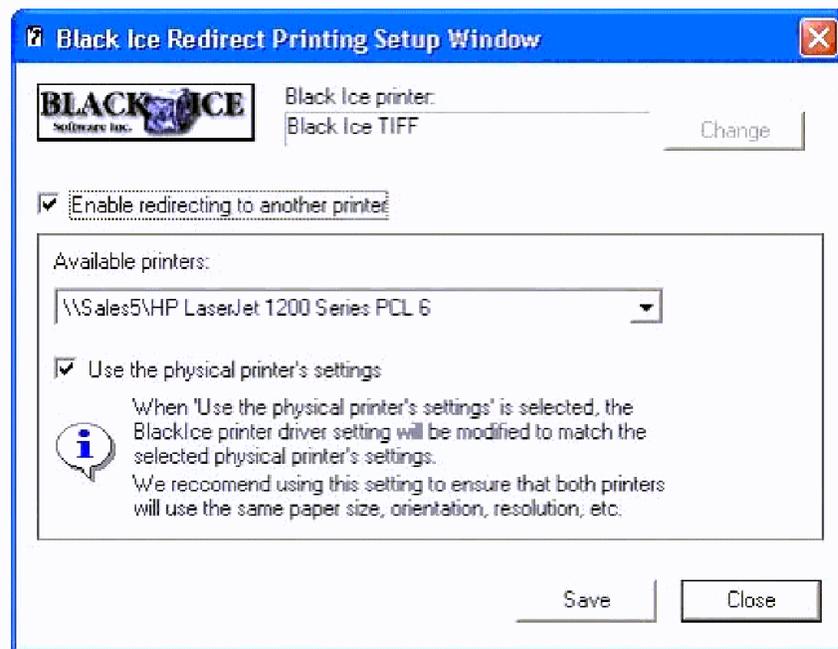
A Redirect Printing sample is provided in the Resource Toolkits as a sample application, including source code. Redirect Printing can be used with any Black Ice Printer

installed on the system. To select or change which Black Ice Printer Driver is used press the "Change" button located on the top right of the window.

The "Enable redirect printing to another printer" check box is not set in the demonstration version of the printer driver. To try redirect printing check the box and select one of the printers available in your system. A list of available printers is supplied in the drop down box.

If you want to make sure that the image and the redirected document have the same settings, check the "Use the physical printer settings" check box. This will force the Black Ice Printer driver to use the same settings as the destination redirect printer driver. Press the "Save" button to save the redirect settings.

The Resource Toolkit contains the full source code for the sample written in C++, VB, C#, VB .NET and Delphi.



New Save As Printer Driver Samples

Black Ice printer drivers are capable of launching an application before or after the printing was finished. If the application is be-

ing launched after the printing was finished then command line parameters can also be passed to the launched application.

The printer driver supports 7 different file name generation methods. However, sometimes the out-

(Continued on page 3)



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put files (images) need to be saved to different folders using different filenames.

To demonstrate the start application feature the Printer Driver Resource Toolkit includes the SaveAs sample. The sample is launched by the printer driver after the printing has finished and

receives the name of the group file in command line parameters. The sample will read the name of the generated image file from the group file and will bring up a Save As dialog box. The user can then save the image file to a specific location.

The source code of the SaveAs sample is available and was written in C++, VB, C#, VB .NET and Delphi.



Imaging Tips and Tricks— Color Annotations and Virtual Rescan

Color Annotations

Using the Black Ice Annotation SDK/ActiveX, developers can add a variety of annotation objects to supported images, including stamps, text, polygons and more. Annotations can be stored as separate, editable layers or can be made into a permanent part of the image.

Annotations can be added to black and white, grayscale, or full color images and the annotations will retain their colors, even if a color annotation is added to a black and white image. However, when the annotations are “burned in”, the annotation objects will be converted to the bit depth of the image itself. For example, a color annotation added to a 1 bit image will be converted to 1 bit (black and white) when it is burned in.

In order to retain color annotations on black and white images, developers should first convert the 1 bit image to 8 or 24 bit and

then burn in the annotation. Developers can change the image bit depth using the `ConvMonoDIBtoGrayscale` and/or `Convert8to24` functions/methods.

Virtual Rescan

Anyone who has ever used a scanner knows that it is quite easy to acquire a less than perfect copy of the source document. Scanned and faxed documents are often skewed to some degree and contain scan or fax “noise” consisting of scattered pixels across the document.

The Document Imaging SDK/ActiveX provides developers with a variety of cutting edge document imaging functionality which can be used to Virtually Rescan less than perfect images.

Using the `Deskew` function/method, developers can automatically correct less than straight images acquired by a TWAIN com-

patible scanner. Developers can first use the `DetectSkewAngle` function/method to determine if the image is skewed and then can call the `Deskew` function if necessary.

Furthermore, developers can utilize the `CleanImage` function/method to remove fax or scanner noise from supported files. `CleanImage` allows developers to specify a threshold value to control how thoroughly the image will be inspected and processed.

By combining the `Deskew` and `CleanImage` functionality, developers can provide automatic image clean up functionality to their user base. The virtual rescan functionality can be further expanded by invoking additional Document Imaging SDK/ActiveX functionality such as the `TrimBlackBorder`, `PunchHoleRemover`, and `LineRemover` functions/methods.

Inside

**New Black Ice Printer Driver Samples, Imaging
Tips and Tricks, Holiday Sale and more**

Time to upgrade?



Latest Version Numbers

Printer Drivers

Printer Drivers for ME/98/95 Monochrome, Color, ColorPlus, EMF, PDF	5.80	8/01/05
Printer Drivers for XP/2000/NT Color, ColorPlus, EMF, Monochrome, PDF	9.75	12/01/05
Printer Drivers for 2003, Citrix and Terminal Servers Color, ColorPlus, EMF, Monochrome, PDF	9.75	12/01/05

Free Software

Impact ColorFax Lite	6.00	7/22/04
Tiff Viewer Plug-in - Free Version	6.10	7/22/04
ModemWeasel	2.00	8/01/02

Internet Tools

Print2Email	4.60	9/26/05
Tiff Viewer Plug-in - Complete	6.10	7/22/04
Print Monitoring Server	3.00	9/16/04
ePrintAnywhere	2.20	10/01/05
Voice2Email	2.00	10/01/05

Fax, Voice and Image Toolkits

Fax C++/ActiveX	11.30	8/11/05
Voice C++/ActiveX	11.30	8/11/05
Document Imaging SDK/ActiveX	10.47	11/01/05
PDF Plug-in	10.47	11/01/05
Annotation SDK/ActiveX	10.47	11/01/05
Image SDK/ActiveX	10.47	11/01/05
Tiff SDK/ActiveX	10.47	11/01/05
Cover Page Generator SDK/ActiveX	10.47	11/01/05
Barcode SDK/ActiveX	4.31	11/01/05

Impact Products

Impact Fax Server	6.10	5/28/05
Impact Fax Broadcast	5.0	9/01/05
Impact Fax on Demand	4.06	12/01/00
Impact ColorFax	6.03	1/13/05
Drag and Drop Printing	2.00	12/24/02