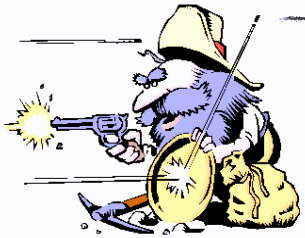


Developer Newsletter



B L A C K I C E S O F T W A R E

NEW AUTO PRINT DLL AND OCX FOR BLACK ICE PRINTER DRIVERS!

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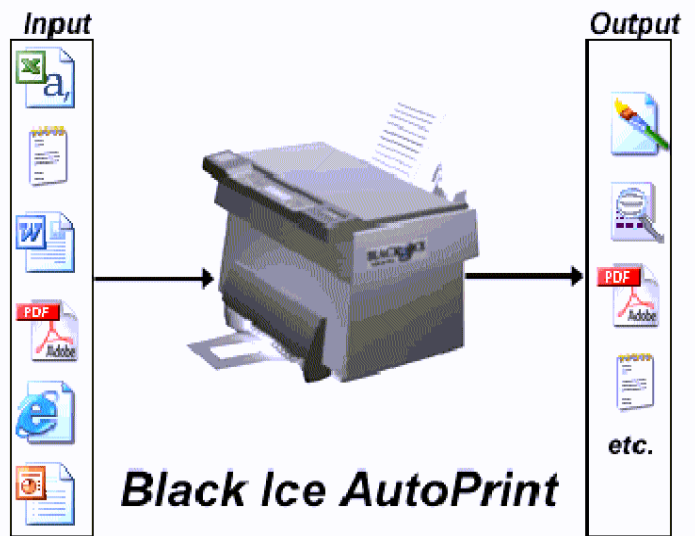
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Black Ice Software has just released new AutoPrint controls (BiAutoPrint) which can be used to programmatically print Microsoft Office, Text, HTML, and PDF documents. Now, using the new BiAutoPrint controls, developers can easily create batch converter applications capable of processing thousands of documents without any user interaction.

The BiAutoPrint controls can be used by developers to print DOC, TXT, RTF, PPS, PDF, XLS, HTM and HTML files directly from their applications, without any user interaction, using only a few



function calls. In addition to providing automated printing, the controls can also be used to programmatically change the default printer on the system.

The BiAutoPrint functionality is provided as both a DLL and an ActiveX control to accommodate a range of program-

(Continued on page 3)

F A X C + + / A C T I V E X : T I P S , T R I C K S & N E W S A M P L E S

ECM (error correction mode) increases the efficiency and reliability of fax transmissions. ECM provides more efficient error handling for noisy or dis-

torted fax transmissions. data.

Encapsulated data within HDLC frames gives the receiver an opportunity to check for and request retransmission of garbled

To send and receive faxes using the ECM mode with Fax C++/ActiveX, the following steps must to be

(Continued on page 3)

New Fax C++/ActiveX Samples, see page 3 for details...

FAX COVER PAGE GENERATOR RE-RELEASED, PART II

In May, Black Ice re-released the Fax Cover Page Generator SDK/ActiveX, which allows developers to harness dynamic cover page generation technology from within their application. Last month's article focused on the uses and functionality of the cover page editor, this month we will highlight the features and functionality of the Cover Page Filler component, and will also discuss how developers can develop their own interfaces.

Cover Page Filler

The cover page filling functionality serves two purposes, allowing end users to enter in static information, such as comments onto the cover page, and it also serves to fill in the dynamic edit boxes placed on the template, such as the recipient contact information.

Typically, the Cover Page Filler will be presented to users upon the completion

of their task, either right before a fax is sent out, a report is filed, etc.

Developer defined Cover Page Interfaces

In addition to supporting the pre-defined cover page template editor and filler windows, the Cover Page Generator SDK/ActiveX also provides developers with everything they need to create their own custom interfaces, either as stand-alone utilities or embedded directly within their application.

Benefits of using fax cover pages

- Increased professionalism
- Personalized transmissions are more likely to gain the recipient's attention
- Protect confidential information
- Notify the receiving end as to whose attention the received fax should be directed

Like all Black Ice Develop-

The screenshot shows a Windows-style application window titled "Template Filler - [C:\Documents and Se...". The window has a menu bar with "File", "View", and "Settings". Below the menu bar is a toolbar with icons for file operations and text formatting. The main content area displays the "BLACK ICE SOFTWARE INC." logo at the top. Below the logo is a form with the following fields:

- From: John Smith
- Company: Black Ice Software
- Phone: (800) 623-1010
- Fax: (800) 623-1110
- To: Some Body
- Company: Some Company
- Phone:
- Fax:
- Date:
- Subject:

Below the form is a "Comments:" section with a large text area containing the text: "I have attached the requested document".

ment toolkits, developers can access the Cover Page Generator functionality through either a DLL or ActiveX control, allowing developers to use any programming language which supports these controls, including C/C++, Visual Basic, C#, VB .NET, Delphi and more.

Developers can download a fully functional evaluation copy of the Cover Page Generator SDK/ActiveX from the Black Ice website to evaluate for themselves:

<http://www.blackice.com/coverpage.htm>

PRINTER DRIVER TIPS & TRICKS: APPENDING MULTIPLE PRINT JOBS

The Black Ice printer drivers support a variety of multipage file formats, including TIFF, PDF and DCX. Print jobs can be combined into a single, multipage file by performing the following steps, either programmatically or through the printer driver's user interface:

1. Set the Black Ice printer driver File Name Gen-

eration method to one of the Exact methods, such as "Exact Filename"

2. Check the Keep Existing File option
3. Print to the Black Ice printer driver

If the filename specified already exists, print jobs will be appended to that file.

(AutoPrint, continued from page 1)

ming languages including C/C++ and VB/Delphi/C#.NET developers.

Using the BiAutoPrint controls is as easy as calling the BIAPInitialize() function to initialize the printing control and then calling the BIAPStartPrinting() function for each document you need to print. Pass the name of the file to be printed and the name of the target printer as parameters, and the BiAutoPrint control will do the printing for you. After printing the document is done, use the BIAPEndPrinting()

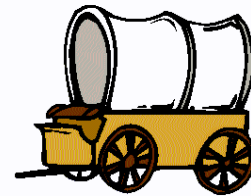
function to signal the end of the printing to the control, so a new document can be printed. The end of the printing can be detected using multiple methods, one of them would be by monitoring the print queue using the existing Black Ice functionality.

A second, more efficient way to detect when printing has finished would be taking advantage of the Black Ice printer driver messaging interface to capture the EndDoc message that is sent every time a document has finished printing.

Using the BIAPGetDefaultPrinter() and BIAPSetDefaultPrinter() func-

tions, developers can retrieve and change the default printer on the system.

In addition to providing the BiAutoPrint DLL and ActiveX controls with the Black Ice Printer Driver Resource Toolkits, developers will also be provided with full source code for these components, allowing them to expand the functionality of these controls to include support for additional file formats.



(Fax C++/ActiveX, continued from page 1)

taken:

1. Call the SetPortCapabilities(FaxPort, FDC_ECM, ECM_ENABLE) function, to enable ECM. This call enables the ECM sending and receiving capability on the given port. Without this calling this function, Fax C++/ActiveX will not send and receive any ECM faxes.

2. To send a fax with ECM, set the ECM member of the TSFaxParam structure to one of the followings:

- ECM_ENABLE - Will force using the error correcting mode. If the receiver does not support ECM, the fax will not be sent and a TRM_INVALID_REMOTE_ECM error will be generated.

- ECM_NOCHANGE - Will try to use ECM, however if the receiver does not support ECM, the fax will be sent in non-ECM mode.

In order to send color faxes, ECM must be turned on. The color fax standard uses JPEG L*a*b com-

pression and 200x200 DPI images. If you are feeding other type of images to Fax C++/ActiveX, then the image will be decompressed, scaled, and recom-

pressed. Since the JPEG format is a lossy compression, it is highly recommended to use 200x200 DPI to create the original images for optimal image quality.

NEW FAX / VOICE C++ / ACTIVE X SAMPLES

The latest release of the Fax/Voice C++/ActiveX includes 25 new samples intended to demonstrate some of the basic functionality of the toolkits, providing developers with an example of how to perform individual actions including opening a COM port, opening a Fax Board channel, sending a fax,

receiving a fax, and also receiving a fax with DTMF digits. Additionally, a new C++ MSI Predictive Dialing sample has been added to the Voice C++/ActiveX. Developers can download the latest toolkits from the Black Ice website to get the latest samples for themselves.

Sample Name	C++	VB	Delphi	C#	VB.NET
SendFax	X	X	X	X	X
OpenComPorts	X	X	X	X	X
OpenFaxBoards	X	X	X	X	X
ReceiveFaxWithDTMF	X	X	X	X	X
ReceiveFax	X	X	X	X	X

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Inside

**New AutoPrint Controls for the Black Ice Printer Drivers.
New Fax/Voice C++/ActiveX Samples, More Inside...**

Time to upgrade?



Latest Version Numbers

Printer Drivers

Product	Version	Date
Printer Drivers for ME/98/95 Monochrome, Color, Metafile and PDF	5.71	3/10/05
Printer Drivers for XP/2000/NT Color, ColorPlus, Metafile, Mono-	9.30	6/01/05
Printer Drivers for 2003, Citrix and Terminal Servers Color, ColorPlus, Metafile, Mono- chrome and PDF	9.30	6/01/05

Fax, Voice and Image Toolkits

Product	Version	Date
Fax C++/ActiveX	11.12	4/20/05
Voice C++/ActiveX	11.12	4/20/05
Tiff SDK/ActiveX	10.41	5/02/05
Annotation SDK/ActiveX	10.41	5/02/05
Cover Page Generator SDK/ActiveX	10.41	5/02/05
Image SDK/ActiveX	10.41	5/02/05
Document Imaging SDK/ActiveX	10.41	5/02/05
Barcode SDK/ActiveX	4.20	4/01/05

Impact Products

Product	Version	Date
Impact Fax Server	6.10	5/28/05
Impact Fax on Demand	4.06	12/01/00
Impact Fax Broadcast	4.30	12/13/04
Impact ColorFax	6.00	7/22/04
Drag and Drop Printing	2.00	12/24/02

Free Software

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

Internet Tools

Product	Version	Date
Print2Email	4.00	2/14/05
Tiff Viewer Plug-in - Complete	6.10	7/22/04
Print Monitoring Server	3.00	9/16/04