



DECEMBRRR DEVELOPER NEWSLETTER

Black Ice Software, Inc.

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Introduction to all Resource Toolkit Samples

Samples	NT									
	PrintPrin									
	C++	VB	Del	C#	J#	VB	CE	J5	VS	ASF
ASP Printing Sample										1
AutoPrint	1	1	1	1		1				
BatchConverter	1									
BIPlugin	1									
BIPluginTestApp	1									
Change Printer Settings	1	1	1	1	1	1				
IniFileGenerator	1									
Memory usage Sample	1									
Message Capture Sample	1	1	1	1	1	1				
Message Capture Sample Without a FORM		1								
Message Capture Service Sample	1									
OutputFileName	1		1	1	1	1				
Pipe Message Capture	1									
PrintInkControl	1	1								
Print2FTP	1		1	1	1	1				
Print Wrapper ASP	1	1								1
ReplaceUseSettings	1	1	1	1	1	1				
RestrictPrinting	1	1	1	1	1	1				
SaveAs Dialing	1	1	1	1	1	1				
Setup Redirect Printing	1	1	1	1	1	1				
TextConverter	1									
UseDocumentName	1	1	1	1	1	1				
USEmail	1	1	1	1	1	1				

BIPlugin DLL Sample

Plug-In support is accessed through a dynamic linked library or DLL, and is loaded by the printer driver during printing. The printer driver calls pre-defined functions from the Plug-in at each phase of printing, and will not continue printing until the function returns. Developers have full access to the DLL and can insert their own custom code to each DLL function to perform a variety of tasks as required by their application.

BIPlugin Test App SAMPLE

This sample provides a demonstration of how the BIPlugin.DLL works.

Change Printer Settings Sample

Demonstrates how to change the printer settings

(Continued on page 2)

AutoPrint Sample

Shows how to print MS Word, Excel, Power Point and PDF documents, without user interaction.

Monitors a directory and automatically converts files placed in the directory. It then moves the file to a "completed" directory. The directories can be set using the INI file created when the Batch Converter is run.

Batch Converter SAMPLE

Changing Printer Driver Settings (DEVMODE) Between Print Jobs

You can create a real time printer hook by using the ChangeDevmode event. This event is implemented in the BiPmDrv.ocx. The

generated event handler passes the current devmode of the printer as a parameter. You can change the devmode using the

BlackIceDEVMODE.ocx. If you change the devmode in the event handler, the printer will use this modi-

(Continued on page 2)



(Continued from page 1)

programmatically using the BlackIceDEVMODE.dll.

IniFileGenerator Sample

Demonstrates how to easily create an INI file to be used by the Black Ice printer driver installation.

Memory Image Sample

Demonstrates how to capture items moved from memory.

Message Capture Sample

Demonstrates how to capture the printer driver messages.

Message Capture Service Sample

Demonstrates how to capture the printer driver messages, using a service.

OutputFileName SAMPLE

The printer driver generates a 'group file' when the printing is finished. The group file contains information about the printed image. The OutputFileName sample will show how to get the name of the output images from the group file.

Pipe Message Capture SAMPLE

(Continued from page 1)

fied devmode in the current print job. . The ChangeDevmode event is fired after every StartDocument and StartPage event. The ChangeDevmode event is raised only if you call the StartCapture method with MESSAGE_CAPTURE_METHOD_PIPE (3) parameter. If you use MESSAGE_CAPTURE_METHOD_COPY DATA (1) or MESSAGE_CAPTURE_METHOD_BROA

Demonstrates how to capture the printer driver messages * Included only for compatibility with older versions.

PrintJobControl SAMPLE

Demonstrates how to control print jobs, once they are put into the spooler.

ReplaceUserSettings SAMPLE

The sample will replace the current printer settings used by the user(s) for the selected Black Ice printer. Demonstrates how to reset the printer settings programmatically.

RestrictPrinting SAMPLE

The Black Ice printer drivers include a feature which allows the driver to refuse any print jobs other than those coming from the developer's printing application. The restriction is made using a password. The printer driver will print jobs only from the application that "knows" the password.

SaveAs Dialog SAMPLE

The printer driver supports 7 different file name generation methods. However, sometimes the output files (images) need to be saved to different folders using different filenames.

Setup Redirect Printing SAMPLE

DCAST (2) message interface type the ChangeDevmode event won't be generated.

You can overwrite the devmode of the printing application directly by using the ChangeDevmode event. For example if you want to print your xls document programmatically. The xls file stores the devmode of the printer, and Microsoft Excel uses the stored devmode at printing. So if you want to print the xls document programmati-

This sample shows how to enable/disable the Redirect Printing option and copy the physical printer settings to the Black Ice printer. When the Redirect Printing option is enabled the Black Ice printer will generate an image file and also will print the document to the selected target printer. The target printer can be any local or network printer.

TextConverter SAMPLE

The printer driver can extract the text information from the printed documents and save it in a separate text file. The text file contains the text position, font name and size. This sample shows how to rebuild an invoice from the text file using a background image.

UseDocumentName SAMPLE

After printing, this application will convert the selected items name to the original (before printing).

Email Add-On Sample

This Email Add-on Sample helps you to send printed images in emails easily. After printing the sample application will be launched and the user can input the recipients email address. The Email Add-on Sample logs into a specified SMTP email server and sends the converted document as an attachment.

Print2FTP Sample

cally using Microsoft Excel in your program, Excel will ignore the settings of the printer. It will use the stored devmode. But you can modify the devmode in the ChangeDevmode event and the printer will accept your modifications. ◀

Printer Driver Tips and Tricks-How to Capture Messages From Multiple Installed Printers on One Application

You can install multiple printers easily with the install samples in the printer driver RTK. If you rename the driver files of the printer and change port name, message interface name, printer name etc you can install a new printer. For example you can install two color printer drivers with different names using the install sample application in the RTK.

For example if you installed two color printer drivers with names "Black Ice Color" and "Black Ice Color 1". If the name of the message interface of the printer drivers is different you can get the printer messages separately from the printers. You can specify the name of the message interface in the dInstall-BlackIcePrinter function during install. The dInstallBlackIcePrinter function is in the Mydll_NT.dll.

You can use two instances of the BiPrnDrv.ocx for getting the messages from the two installed color printer. The code snippet to the right shows you how to create two BiPrnDrv.ocx dynamically (without form) for getting messages and how to add event handler programmatically. This code snippet is implemented in Visual Basic .NET 2005. ◀



```
' Declaration
Private BiPrnDrv1 As BIPRNDRVLib.BiPrnDrv
Private BiPrnDrv2 As BIPRNDRVLib.BiPrnDrv

BiPrnDrv1 = New BIPRNDRVLib.BiPrnDrv
' Add event handler for StartDoc event for both drivers
AddHandler BiPrnDrv1.StarDoc, AddressOf BiPrnDrv1_StarDoc
AddHandler BiPrnDrv1.StartPage, AddressOf BiPrnDrv1_StartPage

BiPrnDrv2 = New BIPRNDRVLib.BiPrnDrv
' Add event handler for StartPage event for both drivers
AddHandler BiPrnDrv2.StarDoc, AddressOf BiPrnDrv2_StarDoc
AddHandler BiPrnDrv2.StartPage, AddressOf BiPrnDrv2_StartPage

' MESSAGE_CAPTURE_METHOD_PIPE for both drivers
BiPrnDrv1.StartCapture("Black Ice Color", 3)
BiPrnDrv1.PrinterName = "Black Ice Color"

BiPrnDrv2.StartCapture("Black Ice Color 1", 3)
BiPrnDrv2.PrinterName = "Black Ice Color 1"

' Event handlers for BiPrnDrv1 first driver
Private Sub BiPrnDrv1_StarDoc(ByVal GroupFileName As String)
    ListBox.Items.Add("1 StartDoc message was received.")
    ListBox.Items.Add("The Group File is: " + GroupFileName)
End Sub
Private Sub BiPrnDrv1_StartPage(ByVal PageNumber As Integer)
    ListBox.Items.Add("1 StartPage message was received.")
    ListBox.Items.Add("Page number is " + Convert.ToString(
    PageNumber))
End Sub

' Event handlers for BiPrnDrv2 for second driver
Private Sub BiPrnDrv2_StarDoc(ByVal GroupFileName As String)
    ListBox.Items.Add("2 StartDoc message was received.")
    ListBox.Items.Add("The Group File is: " + GroupFileName)
End Sub
Private Sub BiPrnDrv2_StartPage(ByVal PageNumber As Integer)
    ListBox.Items.Add("2 StartPage message was received.")
    ListBox.Items.Add("Page number is " + Convert.ToString(
    PageNumber))
End Sub
```



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Time to upgrade?



Latest Version Numbers

Printer Drivers

Printer Drivers for ME/98/95 Mono, Color, ColorPlus, EMF, PDF	5.81	4/13/06
Printer Drivers for XP/2000/NT Color, ColorPlus, EMF, Mono, PDF	9.91	10/16/06
Printer Drivers for 2003, Citrix and Terminal Servers Color, ColorPlus, EMF, Mono, PDF	9.91	10/16/06

Impact Products

Impact Fax Server	7.05	10/30/06
Impact Fax Broadcast	5.10	7/01/06
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

Fax, Voice, and Image Toolkits

Fax C++/ActiveX	12.24	10/30/06
Voice C++/ActiveX	12.24	10/30/06
Document Imaging SDK/ActiveX	10.70	11/21/06
PDF Plug-in	10.70	11/21/06
Annotation SDK/ActiveX	10.70	11/21/06
Image SDK/ActiveX	10.70	11/21/06
Tiff SDK/ActiveX	10.70	11/21/06
Cover Page Generator SDK/ActiveX	10.70	11/21/06
Barcode SDK/ActiveX	4.51	7/13/06

Internet Tools

Print2Email	5.13	10/19/06
Tiff Viewer Plug-in - Complete	7.0	9/20/06
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	7.0	9/20/06
ModemWeasel	2.00	8/01/02