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Inside this issue:

Dialogic 6.0 Drivers in the Fax C++ Toolkit 1

How to Install More Than One Printer Driver on Your System 1

How to install printer driver with single function call 2

Sharing Black Ice printers between 32 and 64 bit operating systems 2



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Dialogic 6.0 Drivers in the Fax C++ Toolkit

Black Ice Software announces the availability of the Intel\Dialogic 6.0 drivers for the Fax C++/ActiveX Toolkit. For more details please contact Black Ice Software sales at Sales@Blackice.com

How to Install More Than One Printer Driver on Your System

In an environment with large document processing needs, multiple printer drivers can be installed on a system to speed up document conversion using different names for the printer drivers. You can create your custom multiple printer driver install easily with our resource toolkit. The release printer driver resource toolkit contains sample projects demonstrating the installation of Black Ice printers. The version 10 RTK contains Visual Basic 8, InstallShield 12 and MSI install 8 projects for installing the user-level printer drivers. If you want to install multiple printers in your install project you have to

modify the name of some of the printer driver files.

For example if you have the driver files of the Color XP printer driver, and you would like to install two Color printer drivers in your install project.

Files for the first Color driver:

BuCDRVNT.dll
BuCiniNT.ini
BuCMonNT.dll
BuCProNT.dll
BuCResNT.dll
BuCRmvNT.dll
BuCUifNT.dll

Files for the second Color driver:

BuCDRVNT1.dll
BuCiniNT1.ini
BuCMonNT1.dll
BuCProNT1.dll
BuCResNT1.dll
BuCRmvNT1.dll
BuCUifNT1.dll

Common files for both color drivers:

BuCAppNT.exe
BiImgUser.dll
JPEG32.DLL
TIFF32.DLL

(Continued on page 2)

Notice: The Printer Drivers for Windows 95 / 98 / ME, and the Voice C++/ActiveX Toolkit will be discontinued at the end of this year. Black Ice Software will no longer support these products after January 1st, 2008.

(Continued from page 1)

The BuCAppNT.exe and BilmgUser.dll can not be renamed, because the port monitors (BuCMonNT.dll and BuCMonNT1.dll) look for these filenames, and if the port monitor can't find them, the printer driver won't work correctly. You can rename the Tiff32.dll and Jpeg32.dll but it's not necessary. If you want to rename them, you can use the JpegDllName and TiffDllName section in the printer driver INI file (BuCiniNT.ini, BuCiniNT1.ini) like this:

```
[Default Settings]
JpegDllName=C:\MyJpeg.dll
TiffDllName=C:\MyTiff.dll
```

Or you can use the SetJPEGDLLName and SetTIFFDLLName functions in the BlackIceDEVMODE.dll to specify the path and name of the dlls. You can use these functions during installation time. But these four files aren't driver specific files. It means that you can use these files as "shared files" in your install project. If these files are already exist on the target computer at the

specified locations, you don't need to overwrite them, because all user-level black ice printer drivers use the same Tiff32.dll, BilmgUser.dll and Jpeg32.dll, and all color drivers use the same BuCAppNT.exe.

How to install printer driver with single function call

The release printer driver resource toolkit contains the entire source of the Black Ice install dynamic link library. The install dll (Mydll_NT.dll) has several functions to make the installation of the printer driver easier. The latest install dll was developed in Visual Studio 8. You can use the install dll in your install project or your common application for installing the printer driver. There are no separate install dlls for NT and TS based operating systems. So you can use the same dll for installing printer drivers for Terminal Server, XP and Vista.

The project of the Mydll_NT.dll has project settings for 32 and 64 bit operating systems. Please be sure that you use the correct version of the install dll in your install project.

The *dInstallBlackIcePrinter* function is part of the install dll. This single function call can

install the printer driver. The printer driver files have to be at the specified locations before calling the *dInstallBlackIcePrinter* function.

Here is the list of the parameters of the *dInstallBlackIcePrinter* function. (There is an example of a Color printer between parenthesis):

- Configuration INI file ("BuCiniNT.ini")
- Driver file ("BuCDrvNT.dll")
- Monitor file ("BuCMonNT.dll")
- Port monitor name ("Ice Monitor C")
- Port name ("IcePortCR:")
- Print processor file ("BuCProNT.dll")
- Print processor name ("Color Print Processor")
- Resource dll file ("BuCResNT.dll")
- User interface dll file ("BuCUifNT.dll")
- Printer name ("Black Ice Color")
- Driver name ("Black Ice Color Driver")
- Tiff dll file ("Tiff32.dll")
- Jpeg dll file ("Jpeg32.dll")
- Printer type (0)

The *dInstallBlackIcePrinter* function does the following:

- Add port monitor to the system
- Add port to the system
- Install printer driver
- Install print processor
- Install printer

When the *dInstallBlackIcePrinter* function returns without error, your printer will be present among the printers.

Sharing Black Ice printers between 32 and 64 bit operating systems

The following table shows how to share Black Ice printer drivers among different operating systems:

√: You can share the printer without any difficulties.

■: You can share the printer using the Black Ice printer sharing utility. If you purchase the printer driver, you can get this utility free of charge.

χ: You can not share the printer between 32 and 64 bit operating systems, because the printer driver install doesn't contain any additional driver files.

	32 bit Vista, XP	64 bit Vista, XP	32 bit TS	64 bit TS 2003
32 bit Vista, XP	√	χ	■	χ
64 bit Vista, XP	χ	√	χ	■
32 bit TS	■	χ	√	χ
64 bit TS 2003	χ	■	χ	√

General PDF sample

Black Ice is developing the new PDF library that will support the PDF 1.4 file format (not just the Image PDF). This article contains a little sample that shows the usage of the new library. The following code snippet creates a CPDF object and then it loads information from the file. It shows how you can get the number of pages, get images from a page, get the size of a page and renders a page to a DC or to a BITMAP.

```
// create the PDF object
CPDF pdf;
// load the PDF file
if( !pdf.LoadPDFFile("test.pdf") ){
    AfxMessageBox("PDF loading error!");
}

// get the number of pages
int numberOfPages = pdf.GetNumberOfPages();
// get the number of images on page 1
int numberOfImages = pdf.GetNumberOfImages(1);
// if there are any images in the first page then get the 1st image
if( numberOfImages ){
    HANDLE hDIB = pdf.GetImage(1,1);
}

// get the size of the 1st page
float width, height;
pdf.GetPageSize(1, width, height);

// draw the 1st page to the client DC
CClientDC dc(this);
pdf.DrawPage(dc, 1);

// draw the 1st page to a BITMAP
HBITMAP hBMP = pdf.DrawPageToBMP(1);
```

To get all information from the PDF file or from a page of a PDF, you can just call the get functions. To draw a page to a DC (Client DC, Metafile DC, Window DC), you can call the DrawPage function. This is a flexible solution to display the pages of the PDF file. By calling DrawPageToBMP, the pages of the PDF file can be displayed and saved as several image formats.



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Inside

- *Dialogic 6.0 Drivers in the Fax C++ Toolkit*
- *How to Install More Than One Printer Driver on Your System*
- *How to install printer driver with single function call*
- *Sharing Black Ice printers between 32 and 64 bit operating systems*

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 Vista / XP Color, ColorPlus, EMF, Mono, PDF	10.01	4/4/07	Impact Fax Broadcast	5.11	11/29/06
Printer Drivers for 2003, Citrix and Terminal Servers Color, ColorPlus, EMF, Mono, PDF	10.01	4/4/07	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
Fax, Voice, and Image Toolkits			Internet Tools		
Fax C++/ActiveX	12.40	4/12/07	Print2Email	5.13	10/19/06
Voice C++/ActiveX	12.40	4/12/07	Tiff Viewer Plug-in - Complete	8.0	4/1/07
Document Imaging SDK/ActiveX	10.73	3/7/07	Print Monitoring Server	3.00	9/16/04
PDF Plug-in	10.73	3/7/07	Print2RDP	3.0	9/6/06
Annotation SDK/ActiveX	10.73	3/7/07	Voice2Email	2.01	4/20/05
Image SDK/ActiveX	10.73	3/7/07	Print2FTP	2.02	8/15/06
Tiff SDK/ActiveX	10.73	3/7/07	Free Software		
Cover Page Generator SDK/ActiveX	10.73	3/7/07	Impact ColorFax Lite	7.02	8/15/06
Barcode SDK/ActiveX	5.0	3/1/07	Tiff Viewer Plug-in - Free Version	8.0	4/1/07
			ModemWeasel	2.00	8/01/02