July Developer Newsletter

Black Ice Software

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Save Money Through Our Online Store

Every little bit you save can help. To promote our new online store for development tools, Black Ice Software has implemented an automatic two percent discount on all purchases made through our online store at Shop.Blackice.com.

So by purchasing our ColorPlus Printer Driver Suite online, you can save two hundred and thirty dollars off of the regular price.

All you need to do on your part for this discount is simply purchase using our online store by visiting Shop.Blackice.com.

How to Print PDF Documents with PDF Reader SDK

Several of our customers asked for a way to read and print a PDF document without needing to rely on Adobe Acrobat needing to be installed on their client PCs. Black Ice Software has developed a PDF Reader SDK which is capable of reading version 1.4 PDF documents and can handle these requirements.

The PDF Reader SDK supports loading, displaying, and searching PDF documents. Displaying means not only displaying on the monitor, but one can Ídisplayî a document on a printer device as well Ë in other words: print it. With the Black

Web Based Document Conversion

The Black Ice printer drivers can be used for web based document conversion. You can create server side web pages (i.e. ASP, PHP) that print documents using the Black Ice printer drivers on the server. After printing, you are able to send the printed documents back to the client side or display them in the web browser. You can use Black Ice dlls or ActiveX controls at server side, so you can totally control document printing. In this article we discuss creating a wrapper ActiveX control to detect the status of the print on an ASP page.

Ice PDF Reader SDK one can even develop automated PDF printing without needing a visual application. We have sample source codes in the SDK and in our manual that can help with creating an application to handle PDF documents.

If one would like to use the PDF Reader SDK to print a PDF document using C++ for example, one has to add the BiPDFReader.lib to the project and include the BiPDFReader.h header file. There are some steps that one must take to accomplish this goal:

One must declare a CPDF object and load a PDF file into the memory. One can use the LoadPDFFromFile function to load a PDF file.

Then one should display a printer settings dialog, get the printer's DC (Device Context) and set up the document information (DOCINFO) structure.

After these steps one can start printing the document and printing the pages of the document in a loop. One can begin a print job by calling the StartDoc function followed by the StartPage function. One can then use the DrawPage function to Ídrawî the page into the DC of the printer driver before calling the EndPage function. Once this is done for each page in the document that is to be printed, the EndDoc function will inform the printer driver that the document is finished.

The source of the wrapper ocx is not included in this article due to length, but is available by contacting us at our support department if you wish. The purpose of the wrapper ocx is detecting the end of the current printing and giving the path and filename of the printed document to the ASP. So the ASP will know the location of the printed document and can use it for any purpose. The wrapper ocx uses PIPE messages to detect printer driver messages. More methods can be added to the wrapper ocx depending on the purposes.

With the wrapper ocx ready, you can use it in an ASP page. The following code demonstrates how to use the wrapper ocx in an ASP page. In this example we are printing a text file located on the server side using Microsoft's Notepad. The document can also be uploaded before printing. but uploading a file is out of the scope of this article. We are using Visual Basic script on the ASP page.

In this example we are using a Black Ice ColorPlus printer driver. This printer driver has to be the default printer driver on the system. Refer to http://support.microsoft.com/?id=184291 for details about how COM Objects fail to print when called from ASP. Take these steps to set up the default printer for the system account.

The source of the ASP is on the next page.

```
<%
Sub PrintFile(FileName)
        Dim objShell
        Dim path
        Dim szFileName
        Dim iRet
        Dim fso

        iRet = PrintWrapper1.StartCapture("Black Ice ColorPlus")

        If iRet <> 0 Then
                Response.Write("<BR><BR>Error initializing the messaging interface.")
                Exit Sub
        End If

        path = "/p " + FileName

        ' Print the text file
        Set objShell = CreateObject("Shell.Application")
        objShell.ShellExecute "C:\Windows\notepad.exe", path, "", "open", 0
        Set objShell = Nothing

        ' Waiting for the end of the printing
        szFileName = PrintWrapper1.WaitForEndPrinting()
        Response.Write("<BR><BR>" & " The name of the printed file on the server: " & szFileName)
        ' Get filename from the path
        Set fso = CreateObject("Scripting.FileSystemObject")
        m_szFileName = fso.GetFileName(szFileName)
        Set fso = Nothing
End Sub
%>
```

You can add the print wrapper ocx to the ASP page like this:

```
<OBJECT id="PrintWrapper1" runat="server" style="LEFT: 0px; TOP: 0px" classid="clsid:C78DE881-1764-
4DF2-9DD5-480ADDC10A1D">
        <PARAM NAME="_Version" VALUE="65536">
        <PARAM NAME="_ExtentX" VALUE="0">
        <PARAM NAME="_ExtentY" VALUE="0">
        <PARAM NAME="_StockProps" VALUE="0">
</OBJECT>
```
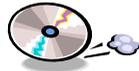
This simple ASP code shows you the basics of the web based document conversion. Of course you donBt have to use wrapper ocxs for printing. It is only one solution of this issue. You can use many pro-gramming solutions for example services etc.

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Time to upgrade? Latest Version Numbers

Printer Drivers

Vista / XP Color, ColorPlus, EMF, Mono, PDF	10.21	07/01/08
2003 Terminal Servers / Citrix Color, ColorPlus, EMF, Mono, PDF	10.21	07/01/08

Fax, Voice, and Image Toolkits

Fax & Voice C++/ActiveX	12.50	6/18/07
Document Imaging SDK/ActiveX	10.95	04/25/08
Image PDF Plug-in	10.95	04/25/08
PDF SDK/ActiveX Professional	2.0	6/11/07
Annotation SDK/ActiveX	10.95	04/25/08
Image SDK/ActiveX	10.95	04/25/08
Tiff SDK/ActiveX	10.95	04/25/08
Cover Page Generator SDK/ActiveX	10.95	04/25/08
Barcode SDK/ActiveX	5.10	5/7/07

Impact Products

Impact Fax Server	8.03	5/21/08
Impact Fax Broadcast	6.40	5/21/08
Impact ColorFax	8.02	02/25/07
Print2Email	7.10	04/25/08
Tiff Viewer Plug-in - Complete	8.12	04/25/08
Print Monitoring Server	4.10	03/14/08
Print2RDP	4.6	6/20/08
Print2FTP	2.02	8/15/06
FileMorph	2.13	5/20/08
FileMorph DS	2.12	04/25/08

Free Software

Impact ColorFax Lite	8.02	02/25/07
Tiff Viewer Plug-in - Free Version	8.12	04/25/08
ModemWeasel	2.00	8/01/02