

August Developer News

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Phone: (603) 673-1019

Fax: (603) 672-4112

sales@blackice.com

www.blackice.com

New Bates Numbering Feature in the Black Ice Printer Drivers

A new Bates numbering feature is available in the Black Ice printer drivers from version 10.22. The Black Ice printer drivers can add a Bates number to all pages of printed documents. There are several properties of the Bates number that can be specified, for example the position of the Bates num-

ber on the printed page, the font type, the font color, the opacity etc. The Bates number consists of an optional prefix string and the number.

Now, you are able to specify the number of characters in the number and set the padding character with

the new feature. You can add any padding character in front of the Bates number. In addition you can define separate padding options for your Bates number formats. However this new feature is not available through the printing preferences dialog. By default no padding charac-

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UNICODE Coding in the Printer Driver Group File

By default the printer driver generates group files with ANSI coding. If the group files are generated with ANSI coding and you are printing documents containing UNICODE characters in the document name (for example Asian characters), the group file may not show the document name cor-

rectly. To solve this issue you can create UNICODE group file by setting "UNICODE Group File" value in the printer driver INI file. This value needs to be specified in the "Default Settings" section. For example:

[Default Settings]

UNICODE Group File=1

If this value is 1 the group file will be generated with UNICODE coding, if this value is zero or not specified the group file will be generated with ANSI file coding.

(Bates Numbering from page 1)

ter is added to the Bates number. You can enable and specify the padding feature using the printer driver INI file. Below is an example of how to set the padding in case you have 2 Bates number types:

[Bates Number 1]

Bates Number Length=8

Bates Padding Character=0

[Bates Number 2]

Bates Number Length=5

Bates Padding Character=*

Bates Number Length: Number of characters in the Bates number (excluding prefix text). This value can be an integer value between 0 and 16. This value specifies the overall length of the Bates number. If the length of the Bates number is less than this value, padding character will be added, otherwise no padding characters will be inserted. If you are using "Bates Number 1" and the Bates number is 12588, the printed document will contain 00012588 as the Bates number. If "Bates Number 2" is selected the created Bates number will 12588 (No padding character will be added.).

Bates Padding Character: This value specifies the padding character. This value can be only any one ANSI character. For example the Bates number is 1258 and you are using "Bates Number 2" settings, the generated text will be *1258 on the printed document.

Tip: Reaching All Annotation Objects on a Page Using BiAnno.ocx

The Question: How can I loop through annotation objects on the specified page?

The Answer: All annotation objects can be accessed in a loop:

1. First of all you should select a specific page with the **AnnoSelectPage** method.
2. For selecting the first object you should call the **AnnoObjDeselect** method.
3. Call **AnnoObjSelectNext** in a loop.

The **AnnoObjSelectNext** returns the handle of the next annotation object or zero. If the return value is zero there are no more annotation objects on the selected page.

All annotation objects can be accessed and all properties of the object can be changed programmatically without user interaction.

Printing Tip: How to Change the Output Directory Programmatically Before Every Print in C#?

The Question: *I would like to change the output directory of the printer driver dynamically before every printing. Do I have to create a different application for NT and Terminal Server operating systems?*

The Answer: *If you want to change the output directory programmatically before printing you have to catch the printer driver messages. If you want to use your code on NT and Terminal Servers (TS) you have to detect PIPE messages, because the PIPE messages can be detected on both OS. The best solution is using the BiPrnDrv.ocx. You can detect PIPE messages with the BiPrnDrv ActiveX control if you call the StartCapture method with 3 as the second parameter:*

BiPrnDrv.StartCapture(szPrinter.ToString(), 3);

For changing the DEVMODE programmatically you need to handle the *ChangeDevmode* event. The *ChangeDevmode* event is raised before every printing and you can modify the current DEVMODE. This modification affects only the current printing.

```
private void BiPrnDrv_ChangeDevmode(object sender, Ax-
BIPRNDRVLib._DBiPrnDrvEvents_ChangeDevmodeEvent e)
{
    // You can handle the change devmode event
    // For example you can change the output directory of the current printing
    // For example. You can change it dinamically to whatever you want
    string szOutputDir = "C:\\Temp";

    if (!BlackIceDEVMODE.SetOutputDirectory(szOutputDir, (int)e.pDevMode))
        ListBox.Items.Add("Error changing the output directory.");
    else
        ListBox.Items.Add("Output directory was set to " + szOutputDir);

    // Note: You don't have to save the DEVMODE

    ListBox.SelectedIndex = ListBox.Items.Count - 1;
}
```

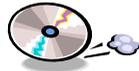
In the sample snippet above we are using the BlackIceDEVMODE.ocx to change the printer driver output directory.

You can use your code on both NT and TS operating systems. But the BiPrnDrv.ocx has separate versions for NT and TS operating systems. Make sure that the right version of BiPrnDrv.ocx is registered on your system.



20 Broad St
 Nashua, NH 03064
 Phone: 603-882-7711
 Fax: 603-882-1344
 E-mail: sales@blackice.com

Time to upgrade?



Latest Version Numbers

Printer Drivers

Impact Products

Vista / XP Color, ColorPlus, EMF, Mono, PDF	10.22	07/11/08
2003 Terminal Servers / Citrix Color, ColorPlus, EMF, Mono, PDF	10.22	07/11/08

Impact Fax Server	8.03	5/21/08
Impact Fax Broadcast	6.5	7/02/08
Impact ColorFax	8.02	02/25/07
Print2Email	7.10	04/25/08
Tiff Viewer Plug-in - Complete	8.12	04/25/08

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

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

Tiff SDK/ActiveX	10.95	04/25/08	Impact ColorFax Lite	8.02	02/25/07
Cover Page Generator SDK/ActiveX	10.95	04/25/08	Tiff Viewer Plug-in - Free Version	8.12	04/25/08
Barcode SDK/ActiveX	5.10	5/7/07	ModemWeasel	2.00	8/01/02