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Black Ice Software - April 2010

New Post Printing Options

Three additional post printing options are now available in Black Ice printer drivers:

- Open Output Folder
- Send Output document in email
- Open Output using Default Viewer

All options can be configured as usual: using printing preferences, through the printer driver's INI file, programmatically or through the Black Ice Printer Manager.

Open output folder

If this option is enabled the output folder of the printer driver will open automatically in the file explorer after every printing.

The "open output folder" option can be set at the Start Application tab of the Printing preferences. By default this option is enabled. The "open output folder" option can be configured also at the end of the printer driver install or in the Black Ice Printer Manager.

Programmatically this feature can be set by the following BlackIceDEVMODE functions: `IsOpenOutputFolderEnabled` and `SetOpenOutputFolder`.

If the "Open output folder" feature needs to be configured through the printer driver's INI file use the Post Print Options section:

```
[Post Print Options]
; Yes: open the output folder
; No: Do not open the output folder
Open output folder=
```

Send Output document in email

If this option is enabled the printed documents will be sent in an email. Of course, the email sending can be performed in the background without user interaction if sent to predefined recipients.

This option can be configured also at the end of the printer driver install or in the Black Ice Printer Manager.

Programmatically this feature can be set by the following BlackIceDEVMODE functions: `IsSendInEmailEnabled` and `SetSendInEmail`.

If the Send printed document in email feature needs to be configured through the printer driver's INI file use the Post Print Options section:

```
[Post Print Options]
```

; Yes: send email
; No: Do not send email
Send in email=

Note: The email sending utility is part of the non-OEM printer drivers. The OEM drivers don't contain this application.

Open Output using Default Viewer

If this option is enabled the printed document will be opened automatically by the default viewer. For example if the driver prints bitmap files in most cases the Microsoft Paint will open these file types. So the printed documents can be displayed easily after printing. If there is no application associated to the file type in the operating system the printer driver won't open the document.

This option can be set at the end of the printer driver install, at the Start Application tab of the Printing preferences, or in the Black Ice Printer Manager.

Programmatically this feature can be set by the following BlackIceDEVMODE functions: IsOpenDefViewerEnabled and SetOpenDefViewer.

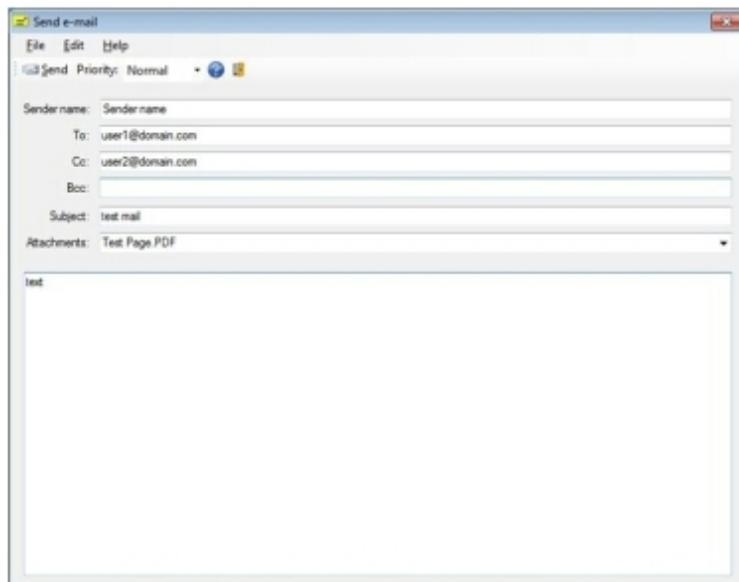
If the Send printed document in email feature needs to be configured through the printer driver's INI file use the Post Print Options section:

```
[Post Print Options]
; Yes: send email
; No: Do not send email
View in default viewer=
```

New Email sending application

Also from version 12.00 a new email sending component is built into the non-OEM drivers. (OEM printer drivers will continue to use the BISEmail utility for email sending)

When email sending is enabled, a send email dialog will come up after every printjob (unless the send emails silently option is checked) and the output files will be automatically attached:



This new email sending application for non-OEM drivers can be configured to use either the default mail client or an SMTP server for

sending messages. For SMTP connection SSL encryption can be specified as well.

Emails can be sent silently in the background after every print job to predefined recipients. When emails are sent silently, log file comes handy to check the success or error messages.

Message Capture Sample improvements

Because of message capture changes (please see the following articles: [October Newsletter: How to use the messaging interface with Windows 2008 terminal servers and remote desktop](#) and [November Newsletter: How to Programmatically Specify the Name of the Message Interface on Terminal Server](#)) we made some changes in the PIPE message capture samples. These samples can be evaluated in the OEM Demo printer drivers and the source code is available in the printer driver RTKs.

In the new Message Capture Sample the message interface ID (formerly session ID) can be specified through INI file (SampleSettings.ini). Please see the INI file:

```
[Settings]
```

```
Printer name=Black Ice Color
```

```
[User Interface IDs]
```

```
; This section allows you to specify the messages interface ID to users
```

```
; for example
```

```
;Administrator=2
```

```
;UserA=3
```

```
;UserB=6
```

```
; The ID has to be positive integer value.
```

```
; Please be sure every user has a unique ID to avoid the conflict
```

So the message interface ID can be associated manually to the user.

The Message Capture Sample checks the Message Interface ID saved in the user's DEVMODE and changes it if it's different from the ID that the Message Capture sample wants to use.

The following snapshot of C# code snippets show how to get and set the message interface ID of the printer driver. ([text version](#))

```

int GetPrinterInterfaceID( string szPrinterName)
{
    int iRet = 0;
    BLACKICEDEVNODELib. BlackIceDEVNODE BlackIceDEVNODE;
    BlackIceDEVNODE = new BLACKICEDEVNODELib. BlackIceDEVNODE ();

    // Load the devmode
    int iDevmode = BlackIceDEVNODE.LoadBlackIceDEVNODE(szPrinterName);

    if (iDevmode > 0)
    {
        // Get interface ID of the printer driver
        iRet = BlackIceDEVNODE.GetSessionID(iDevmode);
        // Release the DEVNODE
        BlackIceDEVNODE.ReleaseBlackIceDEVNODE(iDevmode);
    }
    return iRet;
}

bool SetPrinterInterfaceID( string szPrinterName, int iInterfaceID)
{
    BLACKICEDEVNODELib. BlackIceDEVNODE BlackIceDEVNODE;
    BlackIceDEVNODE = new BLACKICEDEVNODELib. BlackIceDEVNODE ();
    bool bRet = true;

    // Load the devmode
    int iDevmode = BlackIceDEVNODE.LoadBlackIceDEVNODE(szPrinterName);

    if (iDevmode > 0)
    {
        // Set interface ID of the printer driver
        BlackIceDEVNODE.SetSessionID(iDevmode, iInterfaceID);
        // Save the DEVNODE
        if (!BlackIceDEVNODE.SaveBlackIceDEVNODE(szPrinterName, iDevmode))
            bRet = false;
        // Release the DEVNODE
        BlackIceDEVNODE.ReleaseBlackIceDEVNODE(iDevmode);
    }
    else
        return false;
    return bRet;
}

```

Note: The message interface ID is used only on Terminal Servers. On non-Terminal Server operating systems (XP, Vista, Windows 7) the message interface name doesn't contain ID.



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