

August 2005

Developer Newsletter

Black Ice Software, Inc.

Volume 10, Issue 8



New!

ePrintAnywhere is here! See Page 2 for details...

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Internet Imaging with the Black Ice Imaging Toolkits...it's hot!

As internet use grows, more and more companies are providing online imaging solutions to provide information to their clients. To assist in these efforts, Black Ice Software's Imaging Toolkits have been recently expanded to include a range of new internet based sample applications, including new ASP and ASP .NET samples.

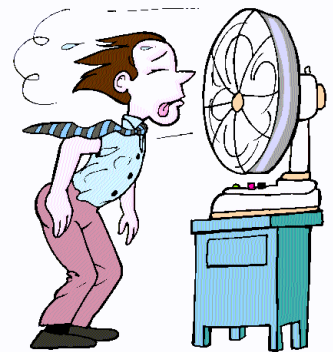
The Black Ice Imaging Toolkits include a variety

of ActiveX controls which are designed to assist developers in building web-based Internet imaging applications. You can build a server based imaging applications using programming languages such as ASP or ASP .NET, or client based web applications using javascript and HTML.

The Black Ice Imaging ActiveX controls are web enabled to load an image across the Internet by simply specifying the

URL in a property. With Microsoft Internet Explorer you can load, display, zoom, and save

(Continued on page 2)



Improved TIFF JPEG support for the Black Ice Printer Drivers

The Black Ice Software Engineering team recently enhanced the Black Ice Printer Drivers to support the newest JPEG compressed TIFF files. The Black Ice printer drivers prior to version 9.50 supported Type 6 JPEG compressed TIFF files exclusively, based on the TIFF standards.

Version 9.50 of the Black

Ice Printer Drivers support type 7 JPEG compressed TIFF files, which is the recommended JPEG compression standard to be used, according to the latest TIFF specifications. Additionally, any JPEG compressed TIFF files created with version 9.50 and higher will use type 7 compression by default. Type 7 JPEG compressed TIFF files can be displayed by most com-

mon imaging products which support TIFF files, including the Microsoft Office Document Imaging, Adobe Photoshop and more.

Developers can download the latest Black Ice printer driver demos from the Black Ice Website at

http://www.blackice.com/printer_drivers/

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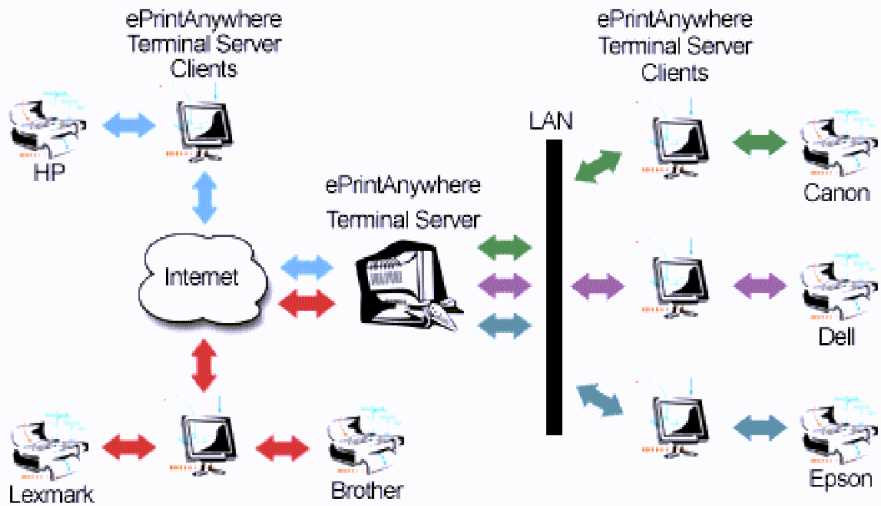
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ePrintAnywhere - Simplifying Terminal Server Printing as we know it

Black Ice Software is pleased to announce the revolutionary new ePrintAnywhere application. With ePrintAnywhere, terminal server system administrators no longer have to worry about mounting and maintaining client printer drivers or configurations. ePrintAnywhere builds upon Black Ice Software's industry leading printer driver technology, which has been on the market for over 10 years and has been deployed to hundreds of thousands of systems worldwide. ePrintAnywhere removes and eliminates the need for system administrators to bog themselves down attempting to support their terminal server user's printing needs.

As any terminal server or Citrix system administrator knows, installing, configuring, and maintaining printer drivers on their system for all of their clients printers can be time consuming and at times painful. Any time a new user is added to the system, or an existing user changes their local printer, it is your responsibility to add their printer to the



ePrintAnywhere overview

system, ensure you have the appropriate driver installed and hope for the best.

ePrintAnywhere dynamically configures itself to present the user with a seamless printing solution allowing them to print any file from a terminal server environment directly to their local or network PC. ePrintAnywhere is compatible with any available windows printer

driver, including USB printers, network printers and even virtual printer drivers used in fax and document imaging applications.

Additional details about the new ePrintAnywhere will be published in next month's newsletter. In the meantime be sure to visit www.ePrintAnywhere.com for more information

**Scorching
Hot Sale!**

Instantly save \$500 on any Black Ice Color or ColorPlus printer driver ordered in August!!



(Internet Imaging, continued from page 1)

TIFF, JPEG, PDF or any supported image files and access any functionality of the Black Ice Imaging Toolkits.

The new ASP samples demonstrate how to perform essential server side image manipulation and processing, including dithering, rotating and annotating images.

The newly added ASP .NET sample demonstrates basic image manipulation functionality including rotating and zooming server side images and then providing the modified results to the client.

Developers can download fully functional evaluation versions of any of the Black Ice Imaging Toolkits from the following page:

<http://www.blackice.com/imaging.htm>

Using Environment Variables for User Specific Output Folders

The Black Ice printer drivers support using the contents of an Environment Variable for the name of the output directory. In order to set up this scenario, log on to the user account, go to Control Panel/Printers right click on the Black Ice driver and open the Printing Preferences. Go to the Filename Generation tab and enter the name of the environment variable to the Output Folder fields between the "<<" and ">>" signs, like this: <<BlackIceOutput>> . In order to configure and utilize environment variables with the Black Ice printer drivers, the following steps must be performed

1. Creating the necessary environment variables:

Right click on My Computer select properties and then click on the advanced tab. Press the Environment Variables button and add the variables in both sections (User and System). You must create the variables in both the User variables and the system variables. You can create system variables only if you are logged in as Administrator (regular users usually don't have rights for this

Comments:

- Administrators can't create user variables for the user accounts. Only the user account can create the necessary user variables

- Before using the new variables, the system must be refreshed. Citrix sessions will see and use the new variables only after the users log in again or the console restarts. After every variable changing, it is recommended to reboot the computer to make the variables available.

- To be sure that the variables are working correctly, you should check the variables of the computer before you start to use them in the printer drivers. You can do this from the command line with the SET command (for example "c:\>set VARIABLE". Checking the variable value is particularly important if the variable value contains another variable or variables (with the %variable% format), since the %variable% may only add the correct value after a system reboot or refresh.

- When you want to use a network folder or directory structure, the status of the connection must be checked before usage of the network folder path.

2. Install the Black Ice Printer driver.

In the output directory field of the printer driver interface, add in the variable between the "<<" and ">>". If the variables are already working on the system this will add the path to the output folder. If you open the printing preferences of the printer you will see the output directory (that is to say the variables value), not the name of the variable.

Comments:

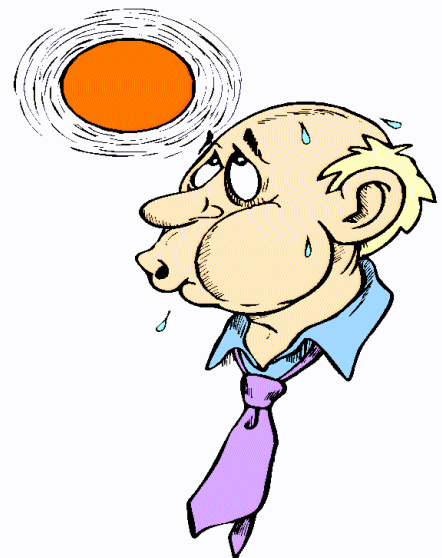
- If the variable is not set correctly or the printer driver can't write to the folder specified in the variable, the system temp directory will be set as the output folder for the generated files. Using the outputfilename application is a good way to check the output directory. The release printer driver owners can find the outputfilename sample in the RTK that they received from Black Ice.

- If you install the driver for a server environment (as Administrator on a Terminal Server or Citrix Server), it may be helpful if you set the printer's default settings to use the environment variable. You can do this from the Control Panel by right clicking on the Black Ice Printer Driver, and select Printing Preferences. If the Administrator sets an environment variable (<<variable>>) in this dialog, the users will automatically see the correct output directory when they log in for the first time after the installation of the printer driver.

When each user prints, the printer driver will extract the contents of the Environment Variable and will generate the files to the folder specified in the Environment Variable. The system account will not know about drives mapped by the users, that is why Environment Variables must be used.

For a tutorial video demonstrating how to set and utilize environment variables with the Black Ice Printer drivers, please visit the following:

<http://www.blackice.com/Tutorials/>

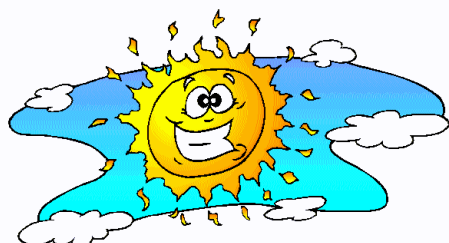




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Inside

Hot new improvements to the Black Ice Printer Drivers.
 Scorching New Internet Imaging, More Inside...

Time to upgrade?



Latest Version Numbers

Printer Drivers

Fax, Voice and Image Toolkits

Product	Version	Date
Printer Drivers for ME/98/95 Monochrome, Color, Metafile and PDF	5.80	8/01/05
Printer Drivers for XP/2000/NT Color, ColorPlus, Metafile, Mono- chrome and PDF	9.50	8/01/05
Printer Drivers for 2003, Citrix and Terminal Servers Color, ColorPlus, Metafile, Mono-	9.50	8/01/05

Product	Version	Date
Fax C++/ActiveX	11.22	7/11/05
Voice C++/ActiveX	11.22	7/11/05
Document Imaging SDK/ActiveX	10.44	7/11/05
PDF Plug-in	10.44	7/11/05
Annotation SDK/ActiveX	10.44	7/11/05
Image SDK/ActiveX	10.44	7/11/05
Tiff SDK/ActiveX	10.44	7/11/05
Cover Page Generator SDK/ActiveX	10.44	7/11/05
Barcode SDK/ActiveX	4.20	4/01/05

Free Software

Product	Version	Date
Impact ColorFax Lite	6.00	7/22/04
Tiff Viewer Plug-in - Free Version	6.00	7/22/04
ModemWeasel	2.00	8/01/02

Internet Tools

Product	Version	Date
Print2Email	4.00	2/14/05
Tiff Viewer Plug-in - Complete	6.10	7/22/04
Print Monitoring Server	3.00	9/16/04
ePrintAnywhere	2.00	8/01/05

Impact Products

Product	Version	Date
Impact Fax Server	6.10	5/28/05
Impact Fax on Demand	4.06	12/01/00
Impact Fax Broadcast	4.30	12/13/04
Impact ColorFax	6.00	7/22/04
Drag and Drop Printing	2.00	12/24/02