Black Ice Newsletter

.NET SUPPORT IS HERE!

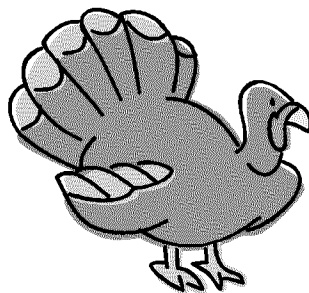### What's Inside

Visual Studio .NET support for Black Ice development tools and printer drivers

Visual Studio .NET support

All the Black Ice development tools are now fully tested with the new .NET development tools. New samples with full source code written in C#, VB.NET have been added to the TIFF SDK, Annotation SDK, Cover Page Generator, Fax/Voice C++/OCX and the Printer Driver Resource Toolkit.

Create a form processing application with the printer driver

The printer driver can extract the text information from your documents and save it in a text file specifying the font used, the text size and position.
The latest version (7.02) of the Black Ice Printer Driver Resource Toolkit includes a new sample application that parses the advanced text output file generated by the printer driver and displays the captured text with the original positioning, font and size.
This sample is very useful in situations

New demo versions for the Black Ice development tools

The latest demo version of the TIFF SDK, Annotation SDK, Fax/Voice C++/OCX, and TIFF SDK with Cover Page Generator will let developers start developing applications even with the demo version of the product. All the header and library files, license files, Active X controls needed for development are included in the demo version along with documentation, help files and sample source code.
The demo version of all the Back Ice

The Printer Driver Resource Toolkit

Black Ice continues expending the Resource Toolkit with new samples to demonstrate and simplify developer's effort to integrate the printer driver with their application. Currently the RTK contains sample applications with full source code to show how to maximize the usage of the printer driver in your application, developed in C#, VB .NET, C, C++, VB, Delphi, FoxPro, MS Access, etc.
The printer driver can launch an application before or after the printing,

New annotation objects available in the Annotation SDK

The latest version of the Annotation SDK comes with an array of new annotation objects that are very useful for electronic document management applications.

The new objects are the following:

Text object – similar to the Note object but the Text object has a transparent background and no frame around the text.

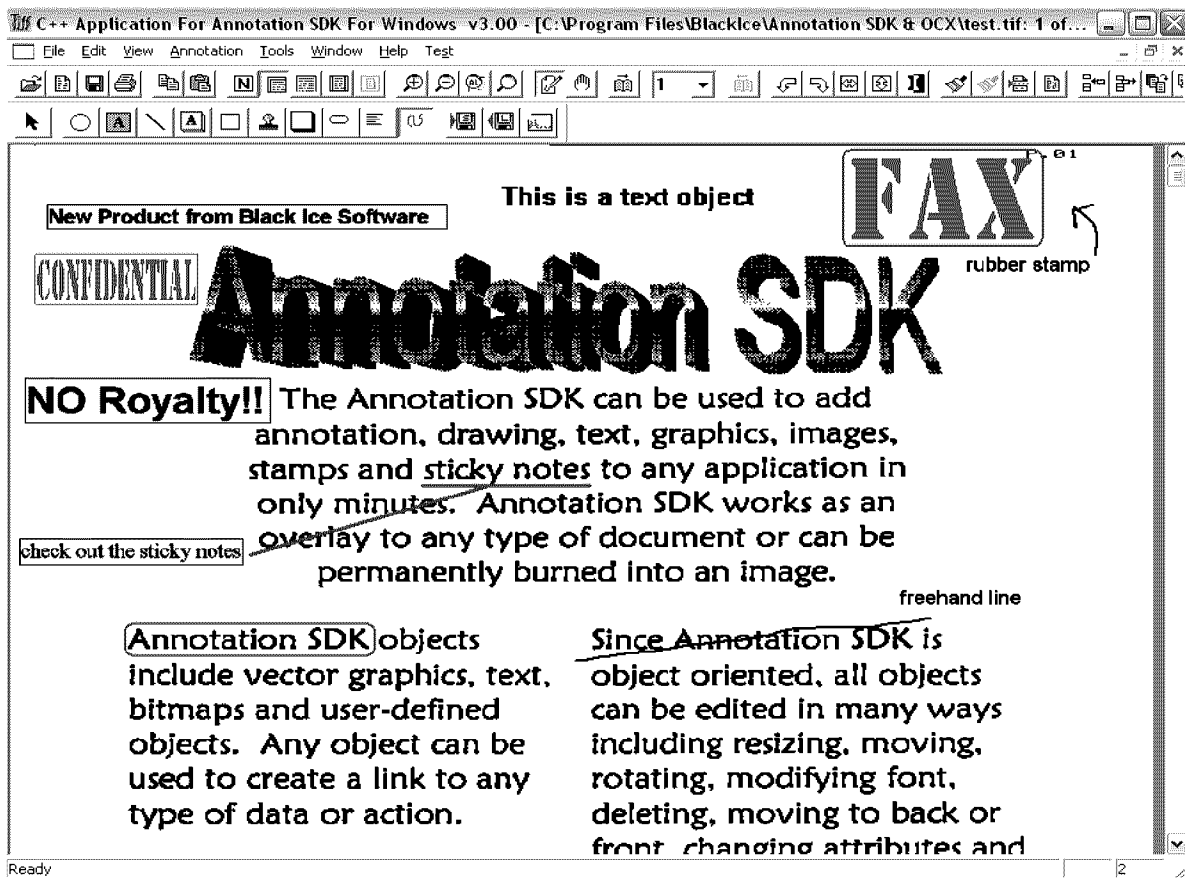**Rounded rectangle object** – draws a rounded rectangle.

Freehand object – draws freehand lines with the mouse with hot points.

Metafile object – displays a metafile.

Rubber stamp object – displays commonly used stamps, like "Paid", "Faxed", "Approved", etc.

The usage of the new objects is similar to the existing objects. Existing applications can be easily modified to support the new annotation objects.

development tools can be used for 30 days after installation. After 30 days the demo will expire. To continue to use the product a release version of the product must be purchased. The release version also contains the source code for all sample applications.

and also can pass command line parameters if the application was started after printing.

Group File Handling Sample
The printer driver generates a 'group file' when the printing is finished. The group file contains information about the printer image like the image format (TIFF, JPEG, etc.), color depth, number of pages, and the name and full path of the generated images.

An application can read the group file and process the output images (copy, move, rename, etc.)
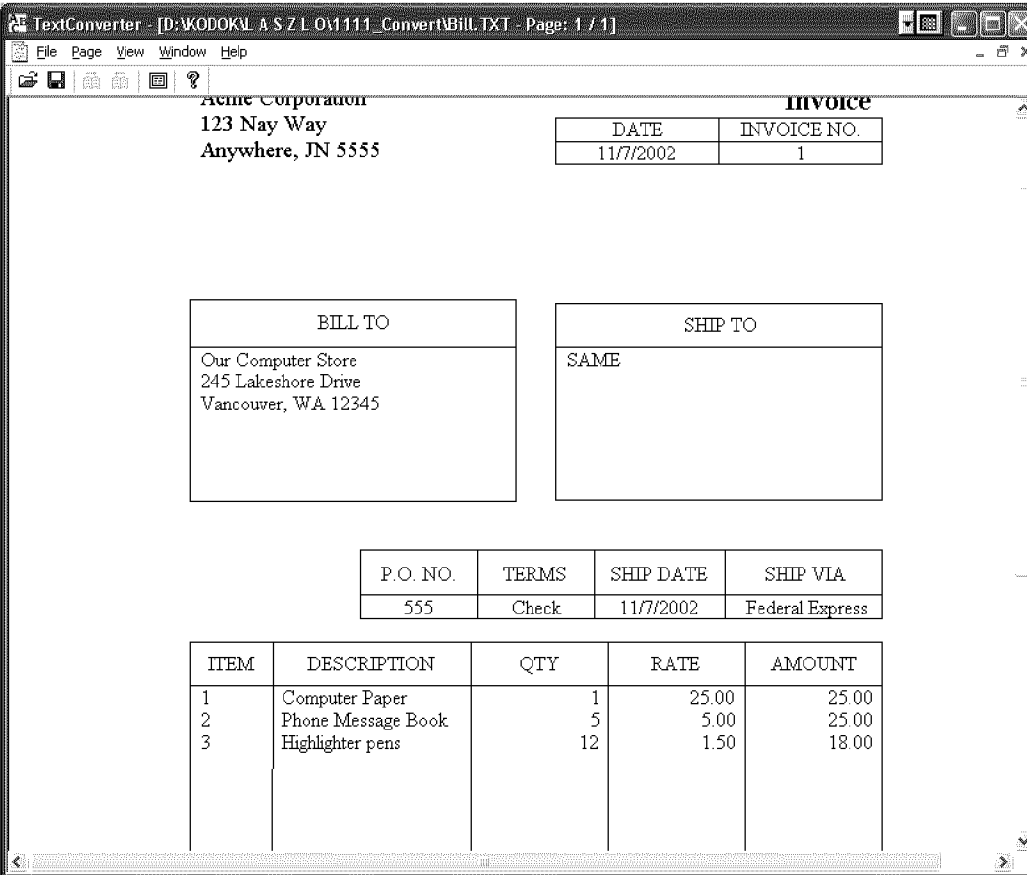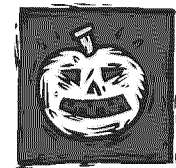
The OutputFileName sample

(Create a form processing application with the printer driver. Continued from page 1)

when the advanced text output is used for archiving, COLD, and form processing when the text information from the original document must be restored in it's original format.

The full source code of the sample is available in C++.

The sample will load a background image (the empty invoice) and will fill the empty invoice using the text information generated by the printer driver.

This sample expects the text's coordinates to be relative to the upper left corner of background image. When printing from some applications, like Quicken, the application may not send the text coordinates to the printer driver relative to the upper left corner. You may have to modify this sample to use it with your printing application.

(The Resource Toolkit, continued from page 2)

will show how to get the name of the output images from the group file.

Full Messaging Interface

All Black Ice Printer Drivers have a messaging interface. The printer drivers can communicate with applications through this interface. The applications capture and process the messages sent by the driver.

The driver can communicate with an application three different ways.

Method I: Through the WM_COPYDATA Windows message.

Method II: Through a windows message registered with RegisterWindowMessage().

Method III: Through a pipe interface. The printer driver will send messages at every StartDoc, StartPage, EndPage and EndDoc.

The Message Capture Sample

The Resource Toolkit includes the Message Capture Sample source code written in C++ to show how to capture the window messages in your application.

The BiPrnDrv.OCX and the VB Message Capture Sample

The BiPrnDrv.OCX

The Resource Toolkit also includes the BiPrnDrv. OCX, which can be used by Visual Basic, Delphi, etc. developers to capture the printer driver messages. The OCX will fire an event at every StartDoc, StartPage, EndPage and EndDoc.

The VB Message Capture Sample will show how to capture the window messages in your application.

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Inside

Visual Studio .NET support for Black Ice development tools and printer drivers

Time to upgrade? Latest Version Numbers

Programming Tools

Product	Version	Date
Fax C++/OCX	9.06	11/08/02
Voice C++/OCX	9.06	11/08/02
Mono Printer Driver for Win95/98/ME	5.00	10/10/02
Color Printer Driver for Win95/98/ME	5.00	10/10/02
Mono Printer Driver for NT/Win2000/XP	7.01	10/18/02
Color Printer Driver for NT/Win2000/XP	7.01	10/18/02
Terminal Server Printer Driver for NT4.0/Win2000	7.01	10/18/02
Metafile Printer Driver for Win95/98/ME	5.00	10/10/02
Metafile Printer Driver for NT/W2K/XP	7.01	10/18/02
Image SDK/OCX	5.56	5/04/01
Burning Chrome Application Generator	2.0	1/15/01
Tiff SDK/OCX	9.00	11/03/02
Annotation SDK/OCX	3.00	11/03/02

Impact Products

Product	Version	Date
Impact Fax Server	4.35	5/03/02
Impact Voice Mail Server (Standard)	3.14	4/11/01
Impact Voice Mail Server (Deluxe)	3.79	4/11/01
Impact Terminal Fax Server	4.34	5/03/02
Impact Fax on Demand	4.06	12/01/00
Impact Fax Broadcast	3.00	9/06/02
Impact Fax Pro	4.13	7/26/00

Internet Tools

Impact Internet Print Server	3.0	8/22/01
Print2Email	2.01	7/14/01
Tiff Viewer Plug-in - Complete	3.01	3/26/02

Free Software

Color Fax Lite	2.18	11/21/00
Tiff Viewer Plug-in - Free Version	4.00	9/27/02
ModemWeasel	2.0	08/01/02