

March Developer Newsletter



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Inside this issue:

Demo RTK - Dramatically Reduce Your Printer Driver Evaluation. 1

Printer Driver VB.NET Install Sample 1

Barcode SDK - New Interface Methods in the OCX 1

Fax C++ - New Fax Object Sample 3

Barcode Sample - ASP.NET 2005 3

Demo RTK - Dramatically Reduce Your Printer Driver Evaluation

For years customers who have purchase a Black Ice Printer Driver have received (free of charge) the added benefit of the powerful API called the Resource Toolkit (RTK).

Black Ice Software announces the availability of the Demo version of the Resource Toolkit (RTK). Customers are reducing their evaluation time by as much as 50% and are able to see and use the

API prior to purchasing the Printer Driver. Both features enable users to bring products to market faster. The Demo RTK provides users with samples and source code in multiple
(Continued on page 2)

Printer Driver Visual Basic 2005 Install Sample

The new Printer Driver install sample is available. This sample demonstrates how to create a Black Ice printer driver install in .Net VB 2005. This sample can handle the Black Ice NT and TS printer drivers. This sample doesn't use Install-

Shield for installation. The sample implements install and uninstall procedures, copies driver files, and installs the printer driver during the install process. The sample deletes the printer driver and driver files during uninstall process.

The sample implements a silent mode. In this mode the sample can install/uninstall the printer driver without user interaction. A log file is generated in silent mode for storing the
(Continued on page 2)

Barcode SDK - New Interface Methods in the OCX

The Barcode OCX's programming interface has been changed to accommodate new programming languages. The methods had parameters as references, which is not recommended to be used with some programming languages. Black Ice Software eliminated and replaced

the reference and variant parameter types.

For example:

Old WriteDataMatrix method in the BiBwDM.ocx:

`Dim llength As Short
length =`

`dlg.DataMatrixStr.Length`

`Dim vwr As System.Runtime.InteropServices.
VariantWrapper
vwr = New System.Runtime.InteropServices.
VariantWrapper(buffer)
Dim obj As Object`

(Continued on page 2)

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PDF Plug-in
Fax Cover Page SDK

(Demo RTK from page 1)

programming languages and allows users to view and utilize the API. The Samples and API will also shorten the integration time when the Printer Driver is purchased. Users can modify samples and become accustomed to the API in the demo RTK, reducing the learning curve when the Printer Driver is purchased.

The Printer Driver Resource Toolkit includes a variety of sample applications with full source code, written in C, C++, Visual Basic, and Delphi. It is also .NET compatible and includes samples written in C#, VB .NET, and J#. Also included are several sample installation scripts and many other

(VB Install from page 1)

information about the install/uninstall.

The .NET VB install shows you how to install 2 printers, so you can modify the code for installing/uninstalling more than 2 printers easily.

If you view the source code you will

(Barcode SDK from page 1)

obj = vwr

ret = view.BiBwDM.WriteDataMatrix(hDib, obj, llength, dlg.rLeft, dlg.rTop)

New WritedataMatrix method in the BiBwDM.ocx:

Dim llength As Short

llength = dlg.DataMatrixStr.Length

' Allocate memory for the string in the OCX

bRet =

BiBwDM.SetBarcodeArrayLength(llength)

If bRet Then

For i = 0 To llength - 1

' Fill the array to write

If Not

BiBwDM.SetBarcodeArrayElementAt

tools that can reduce development time and make applications development with the Black Ice Printer Drivers much easier.

The tools and samples included in the Resource Toolkit will help in the following areas:

- Printer driver user interface customization
- Installation samples
- Programmatically change printer settings
- Programmatically control and query print jobs
- Programmatically print files
- Integrate the printer driver into an application
- Provide access to features

understand what files you need to distribute with your application, and how to set registry keys.

The sample also demonstrates how to configure the printer driver settings after install (for example setting the output directory).

(i, Convert.ToInt16(dlg.DataMatrixStr(i))) Then

MsgBox.Text += "Element setting error in array!"

BiBwDM.SetBarcodeArrayLength(0)

Exit Function

End If

Next

' Write the barcode into the DIB

WriteDMBarcode =

BiBwDM.WriteDataMatrix(hDib, dlg.rLeft, dlg.rTop)

End If

There are fewer parameters in the new version of the WriteDMBarcode than in the old version. The variant parameter and the length of the variant have disappeared. Instead of the variant parameter, there are methods for setting the value of the barcode. So one shouldn't have to write wrapper OCX for hiding the variant pa-

and technologies available with Black Ice products only

The powerful RTK is now available in a demo version for use in conjunction with the demo version of the Black Ice Printer Drivers.

The Demo RTK is available for download with the Printer Drivers. Customers who are currently evaluating the Printer Driver can download the demo RTK from our web site at:

Http://www.Blackice.com/RTKDemo.htm



rameters in your application.

You can allocate memory for the barcode value in the OCX with the SetBarcodeArrayLength method. If the allocation is successful, you can set the value of the array with the SetBarcodeArrayElementAt method.

When you call the WritedataMatrix method, it writes the barcode data from the barcode array in the OCX. It has no need for the array or the length of the array as a parameter, because the array is stored in the OCX.

You can deallocate the barcode array, if you set the barcode length to zero (SetBarcodeArrayLength(0)).

So you now can handle barcodes in a programming language that can't use the references and pointers.

Fax C++ - New Fax Object Sample

The Fax C++ comes with the new sample application to read fax objects generated by any application written with Fax C++. The Fax C++ stores every fax object in a temporary file. The new Fax C++ sample application is a utility and allows one to open the

fax object and look at the content. One can determine if the fax object was destined to be sent or the fax object was received. In addition, one can look at the content of the faxed object including the fax document and the fax document can be ex-

ported out as a tiff image. An IT manager can use this utility to make sure the fax application written with the Fax C++ processes all the fax objects and the IT manager can check lost incoming or outgoing faxes.

Barcode Sample - ASP.NET 2005

This sample demonstrates how to detect/write barcodes on ASP server pages. The sample can read/write linear, data matrix and PDF-417 barcodes.

There is a new test image with 6 barcodes (2 linear, 2 DM, 2 PDF-417).

There are rotated barcodes on the test image too.

The sample demonstrates that the barcode detecting and writing is on the server side.

This sample uses the new barcode OCXs, so the method has no parameters as reference.

The following is a snippet from the source code. This code demonstrates the writing of the DM barcodes:

```
Protected Function WriteDMBarcode
(ByVal hDib As Integer) As Integer
    Dim BiBwDM As
    BiBwDMLib.BiBwDMClass
    Dim bRet As Boolean
    Dim i As Integer
    Dim szStringForCode As String =
    "0123456789"
```

```
    BiBwDM = New
    BiBwDMLib.BiBwDMClass
```

' The detailed description of the properties see in the manual

```
    BiBwDM.CellsSize = 10
    BiBwDM.QuietZoneSize = 1
    BiBwDM.Orientation = 0
```

```
    BiBwDM.EnableStructuredAppend
= False
```

' Allocate memory for the string in the OCX

```
        bRet =
        BiBwDM.SetBarcodeArrayLength
        (szStringForCode.Length)
```

```
        If bRet Then
            For i = 0 To szStringFor-
            Code.Length - 1
```

' Fill the array to write

```
            If Not
```

```
            BiBwDM.SetBarcodeArrayElementAt(i,
            Convert.ToInt16(szStringForCode(i)))
```

```
        Then
```

```
            MsgBox.Text += "Element
            setting error in array!"
```

```
        BiBwDM.SetBarcodeArrayLength(0)
```

```
        Exit Function
```

```
    End If
```

```
    Next
```

' Write the barcode into the DIB
' The detailed description of the parameters see in the manual

```
    WriteDMBarcode =
    BiBwDM.WriteDataMatrix(hDib, Convert.ToInt16(POS_X), Convert.ToInt16
    (POS_Y))
```

```
    End If
```

```
End Function
```

