Satellite Forms Printer Driver SDK

Version 1.0

Brief Description

This guide covers the using of Printer Driver SDK extension into Satellite Forms visual integrated software development environment.

Overview

This guide covers the using of Printer Driver SDK extension into Satellite Forms visual integrated software development environment. The extension represent a software component that permit a Satellite Forms to work with Datecs's PrinterUtility drivers package.

System Requirements

- **Supported operating systems:** Windows Mobile 2003 and above
- **PrinterUtility 2.0** and above

Using the extension

Copy the `.\Datecs' directory into '$(Satellite Forms installation directory)\Extensions' (usually 'C:\Program Files\Satellite Forms 7\Extensions'. Then in yours Satellite Forms Project select the checkbox `Printer Driver SDK` under the list of available extentions. That list is updated at the start of Satellite Forms IDE. For more information please reffer to Satellite Forms documentation.

API Reference

The following section provide a listing of Printer Driver SDK API including usage, parameters, return values of each functions.

About()
Show extension's about box.
Parameter
None.
Return Value
None.
Example

```
Extensions("Printer Driver SDK").About()
```

int Version()
Return the extension's version in form 0xJJMMBBBB (Major, Minor, Build).
Parameter
None.
Return Value
Function returns version in form 0xJJMMBBBB (Major, Minor, Build).
Example

```
Dim version
Dim versionMajor
Dim versionMinor
Dim versionBuild

version = Extensions("Printer Driver SDK").Version()
versionMajor = (version / &H1000000) And &HFF
versionMinor = (version / &H10000) And &HFF
versionBuild = version And &HFFFF

MsgBox("Printer Driver SDK Version: " _
        & versionMajor & "." _
        & versionMinor & "." _
        & versionBuild)
```

bool PDSDK_Setup()
Invoke printer config dialog.
Parameter
None.
Return Value
If no error occurs, this function returns True. If an error occurs this function returns False.
Example

```
If PDSDK_Setup() = False Then
        MsgBox("Failed to invoke setup dialog.")
EndIf
```

bool PDSDK_OpenPrinter(string printer)
This function cause open connection with printer.
Parameter
printer Indicate which printer to use. Printer must have a valid registry record in [HKLM\Printers]. If value is empty string then default printer is used.
Return Value
If no error occurs, this function returns True. If an error occurs this function returns False.
Comments
This function must be call before any other PDSDK_* functions.
Example
See below.

bool PDSDK_ClosePrinter()
This function cause close connection with printer.
Parameter
None.
Return Value
If no error occurs, this function returns True. If an error occurs this function returns False.

Comments

You must call it to free resources that PDSDK_OpenPrinter allocates.

Example

See below.

bool PDSDK_LoadLogoFromFile(string filename)

This function cause logo loading into printer.

Parameter

filename Specifies a bitmap file that contains logo.

Return Value

If no error occurs, this function returns True. If an error occurs this function returns False.

Example

```
Dim file

file = "Logo.bmp"

If PDSDK_OpenPrinter("") = False Then 'Open a default printer
	MsgBox("Failed to open printer.")
Else
	If PDSDK_LoadLogoFromFile(file) = False Then
		MsgBox("Failed to load logo.")
	EndIf

	PDSDK_ClosePrinter()
EndIf
```

bool PDSDK_PrintGraphicText(string text, int points, string font, int align, int weight)

This function print text like graphic with a specific font properties.

Parameter

text Specifies text to be print.

points Specifies font size.

font Specifies font name. Default font is "Tahoma"

align Specifies text aligment. The following values are shown for convenience:

DT_TOP	&H00000000	Top align
DT_LEFT	&H00000000	Left align
DT_CENTER	&H00000001	Center

weight Specifies font weight. The following values are shown for convenience:

FW_DONTCARE	0
FW_THIN	100
FW_EXTRALIGHT	200
FW_ULTRALIGHT	200
FW_LIGHT	300
FW_NORMAL	400
FW_REGULAR	400
FW_MEDIUM	500
FW_SEMIBOLD	600
FW_DEMIBOLD	600
FW_BOLD	700
FW_EXTRABOLD	800

FW_ULTRABOLD	800
FW_HEAVY	900
FW_BLACK	900

Return Value

If no error occurs, this function returns True. If an error occurs this function returns False.

Example

```
Dim text

text = _
	"Satellite Forms is a visual integrated software development environment " & _
	"(IDE) that makes it easy to create custom applications for Palm OS and " & _
	"Pocket PC devices. Satellite Forms allows you to create usable, real-world " & _
	"applications without writing a single line of code. Even more sophisticated " & _
	"applications require minimal scripting or coding to implement." & _
	Chr(10) & _
	"Using Satellite Forms, you can create mobile applications that access valuable " & _
	"information from company databases-for example, customer orders or contact " & _
	"information. You can design applications to be read-only or to allow users " & _
	"add or update data that can then be transferred back to a company database."

If PDSDK_OpenPrinter("") = False Then 'Open a default printer
	MsgBox("Failed to open printer.")
Else
	If PDSDK_PrintGraphicText(text, 18, "Tahoma", 0, 400) = False Then
		MsgBox("Failed to print graphic text.")
	EndIf

	PDSDK_ClosePrinter()
EndIf
```

bool PDSDK_PrintTaggedText(string text)

This function cause print text.

Parameter

text	Specifies text to be print.

Comments

Tags represent text style and modes. The valid tags values are:

[BEL]	Bel.
[HT]	Horizontal tab.
[LF]	Line feed.
[U+]	Start underline.
[U-]	End underline.
[I+]	Start italic.
[I-]	End italic.
[B+]	Start highlight.
[B-]	End highlight.
[FI]	Select internal fontset.
[FL]	Select loadable fontset.
[FA]	Select font A.
[FB]	Select font B.
[DW+]	Start double width text.
[DW-]	End double width text.
[DH+]	Start double height text.
[DH-]	End double height text.
[FV+]	Flip chars vertical.
[FV-]	End flip chars vertical.
[RC+]	Start rotate characters right (90 degrees).

[RC-]	End rotate characters right (90 degrees).
[Ilxxx]	Set intensity level: IL70, IL80, IL90, IL100, IL120, IL150.

Return Value

If no error occurs, this function returns True. If an error occurs this function returns False.

Example

```
Dim text

text = _
        "[FI]" & _
        "[FA][DW+][DH+]   LARGE FONT[DW-][DH-][LF]" & _
        "[LF]" & _
        "Normal[LF]" & _
        "[B+]Bold[B-][LF]" & _
        "[I+]Italic[I-][LF]" & _
        "[U+]Underlined[U-][LF]" & _
        "[DW+][DH+]Diff[DH-]erent[DW-] [DH+]sizes[DH-] chars[LF]" & _
        "[LF][LF]" & _
        "[FB][DW+][DH+]      SMALL FONT[DW-][DH-][LF]" & _
        "[LF]" & _
        "Normal[LF]" &_
        "[B+]Bold[B-][LF]" & _
        "[I+]Italic[I-][LF]" & _
        "[U+]Underlined[U-][LF]" & _
        "[DW+][DH+]Diff[DH-]erent[DW-] [DH+]sizes[DH-] chars[LF]" & _
        "[FA][LF][LF][LF]"

If PDSDK_OpenPrinter("") = False Then 'Open a default printer
        MsgBox("Failed to open printer.")
Else
        If PDSDK_PrintTaggedText(text) = False Then
                MsgBox("Failed to print tagged text.")
        EndIf

        PDSDK_ClosePrinter()
EndIf
```

bool PDSDK_PrintGraphic(string filename, int stretchmode)

This function print graphics file.

Parameter

filename	Specifies file to be print.
stretchmode	Specifies bitmap stretch mode. The following values are shown for convenience:

SM_NONE	0	
SM_WIDTH	1	
SM_TOTAL	2	In Printer Page.

Return Value

If no error occurs, this function returns True. If an error occurs this function returns False.

Example

```
Dim file

file = "Sample.bmp"

If PDSDK_OpenPrinter("") = False Then 'Open a default printer
        MsgBox("Failed to open printer.")
Else
        If PDSDK_PrintGraphic(file, 0) = False Then
```

```
            MsgBox("Failed to print graphic.")
        EndIf

        If PDSDK_PrintGraphic(file, 1) = False Then
            MsgBox("Failed to print graphic.")
        EndIf

        If PDSDK_PrintGraphic(file, 2) = False Then
            MsgBox("Failed to print graphic.")
        EndIf

        PDSDK_ClosePrinter()
EndIf
```

bool PDSDK_PrintWindow(FORM_HEADER *formptr, int stretchmode)

This function print the content of window handle, like graphic.

Parameter

formptr Specifies window to be print. If value is 0 then print the whole desktop.

stretchmode Specifies bitmap stretch mode. The following values are shown for convenience:

SM_NONE	0	
SM_WIDTH	1	
SM_TOTAL	2	In Printer Page.

Return Value

If no error occurs, this function returns True. If an error occurs this function returns False.

Example

```
Dim file

file = "Sample.bmp"

If PDSDK_OpenPrinter("") = False Then 'Open a default printer
    MsgBox("Failed to open printer.")
Else
    If PDSDK_PrintWindow(Forms("SFSUPPDemo"), 0) = False Then
        MsgBox("Failed to print graphics.")
    EndIf

    If PDSDK_PrintWindow(Forms("SFSUPPDemo"), 1) = False Then
        MsgBox("Failed to print graphics.")
    EndIf

    If PDSDK_PrintWindow(Forms("SFSUPPDemo"), 2) = False Then
        MsgBox("Failed to print graphics.")
    EndIf

    PDSDK_ClosePrinter()
EndIf
```

bool PDSDK_PrintBarcode(string barcode, int type, int width, int height, int fonttype, int texts, int align)

This function print barcode.

Parameter

barcode Specifies barcode to be print.

type Specifies barcode type. The following values are shown for convenience:

BARCODE_UPCA	0
BARCODE_UPCE	1
BARCODE_EAN13	2
BARCODE_EAN8	3
BARCODE_CODE39	4
BARCODE_ITF	5
BARCODE_CODABAR	6
BARCODE_CODE93	7
BARCODE_CODE128	8
BARCODE_PDF417	9
BARCODE_CODE128AUTO	10
BARCODE_EAN128AUTO	11

width Specifies barcode width.
height Specifies barcode height.
fonttype Specifies font type.The following values are shown for convenience:

FONTA	0	Large font
FONTB	1	Small font

texts Specifies text position. The following values are shown for convenience:

TEXT_NO	0
TEXT_ABOVE	1
TEXT_BELOW	2
TEXT_BOTH	3

align Specifies barcode align. The following values are shown for convenience:

BARCODE_LEFT	0
BARCODE_CENTER	1
BARCODE_RIGHT	2
BARCODE_LEFTVERT	4
BARCODE_CENTERVERT	5
BARCODE_RIGHTVERT	6

Return Value

If no error occurs, this function returns True. If an error occurs this function returns False.

Example

```
If PDSDK_OpenPrinter("") = False Then 'Open a default printer
    MsgBox("Failed to open printer.")
Else
    If PDSDK_PrintBarcode("Code 128", 8, 2, 90, 0, 2, 0) = False Then
        MsgBox("Failed to print barcode.")
    EndIf

    PDSDK_ClosePrinter()
EndIf
```

bool PDSDK_PrintLogo(int params)

This function cause logo printing.

Parameter

params Specifies logo parameter. The following values are shown for convenience:

LOGO_NORMAL	0
LOGO_DOUBLEWIDE	1
LOGO_DOUBLEHIGH	2
LOGO_DOUBLEBOTH	3

Return Value

If no error occurs, this function returns True. If an error occurs this function returns False.

Example

```
Dim file

file = "Logo.bmp"

If PDSDK_OpenPrinter("") = False Then 'Open a default printer
	MsgBox("Failed to open printer.")
Else
	If PDSDK_PrintLogo(0) = False Then
		MsgBox("Failed to print logo.")
	EndIf

	If PDSDK_PrintLogo(1) = False Then
		MsgBox("Failed to print logo.")
	EndIf

	If PDSDK_PrintLogo(2) = False Then
		MsgBox("Failed to print logo.")
	EndIf

	If PDSDK_PrintLogo(3) = False Then
		MsgBox("Failed to print logo.")
	EndIf

	PDSDK_ClosePrinter()
EndIf
```

int PDSDK_ReadStatus()

This function read the printer status.

Parameter

None.

Comments

The following values are shown for convenience:

STATUS_BIT_NOPAPER	&H04

Return Value

If no error occurs, this function returns a valid status value. If and error occurs this function returns -1.

Example

```
Dim status
Dim text

text = ""

If PDSDK_OpenPrinter("") = False Then 'Open a default printer
	MsgBox("Failed to open printer.")
Else
	status = PDSDK_ReadStatus()
	If status = -1 Then
		text = text & "Failed to read printer status." & Chr(10)
	Else
```

```
                If (status And &H4) = &H4 Then
                        text = text & "No paper." & Chr(10)
                EndIf
        EndIf

        MsgBox(text)
        PDSDK_ClosePrinter()
EndIf
```

string PDSDK_ReadInfo()

This function read the printer identification string.

Parameter

None.

Comments

Data in range [0 .. 21] contains printer name.
Data in range [22 .. 26] contains printer firmware version.

Return Value

If no error occurs, this function returns a valid identification string. If and error occurs this function returns empty string.

Example

```
Dim info
Dim text

text = ""

If PDSDK_OpenPrinter("") = False Then 'Open a default printer
        MsgBox("Failed to open printer.")
Else
        info = PDSDK_ReadInfo()
        If info = "" Then
                text = text & "Failed to read printer ident string." & Chr(10)
        Else
                text = text & info & Chr(10)
        EndIf

        MsgBox(text)
        PDSDK_ClosePrinter()
EndIf
```

string PDSDK_ReadSerial()

This function read printer serial number.

Parameter

None.

Return Value

If no error occurs, this function returns a valid serial number. If and error occurs this function returns empty string.

Example

```
Dim serial
Dim text

text = ""

If PDSDK_OpenPrinter("") = False Then 'Open a default printer
        MsgBox("Failed to open printer.")
Else
        serial = PDSDK_ReadSerial()
```

```
        If serial = "" Then
                text = text & "Failed to read printer serial number." & Chr(10)
        Else
                text = text & "Serial number: " &  serial & Chr(10)
        EndIf

        MsgBox(text)
        PDSDK_ClosePrinter()
EndIf
```

int PDSDK_ReadTemperature()

This function read the printer head's temperature.

Parameter

None.

Comments

The temperature is measured in Celsius.

Return Value

If no error occurs, this function returns a valid temperature value. If and error occurs this function returns -1.

Example

```
Dim  temperature
Dim text

text = ""

If PDSDK_OpenPrinter("") = False Then 'Open a default printer
        MsgBox("Failed to open printer.")
Else
        temperature = PDSDK_ReadTemperature()
        If temperature = -1 Then
                text = text & "Failed to read printer head's temperature." & Chr(10)
        Else
                text = text & "Head temperature: " & temperature & Chr(10)
        EndIf

        MsgBox(text)
        PDSDK_ClosePrinter()
EndIf
```

int PDSDK_ReadVoltage()

This function read the printer battery's voltage.

Parameter

None.

Comments

You must devide value by 10 to obtain the real voltage value.

Return Value

If no error occurs, this function returns a valid voltage value. If and error occurs this function returns -1.

Example

```
Dim  voltage
Dim text

text = ""

If PDSDK_OpenPrinter("") = False Then 'Open a default printer
        MsgBox("Failed to open printer.")
```

```
Else
	voltage = PDSDK_ReadVoltage()
	If voltage = -1 Then
		text = text & "Failed to read printer battery's voltage." & Chr(10)
	Else
		text = text & "Battery's voltage: " & (voltage / 10) & Chr(10)
	EndIf

	MsgBox(text)
	PDSDK_ClosePrinter()
EndIf
```

bool PDSDK_WriteDirect(string data, int length)

This function cause write data direct to printer.

Parameter

data Specifies data to be write.

length Specifies number of bytes that shall be write.

Comments

You must know the printer commands, or the data will be treated as text and will be printed with the printer's internal font.

Return Value

If no error occurs, this function returns True. If an error occurs this function returns False.

Example

```
Dim command

command = Chr(&H1B) & Chr(&H2E) 'Self test command

If PDSDK_OpenPrinter("") = False Then 'Open a default printer
	MsgBox("Failed to open printer.")
Else
	If PDSDK_WriteDirect(command, 2) = False Then
		MsgBox("Failed to write direct to printer.")
	EndIf

	If PDSDK_Flush() = False Then
		MsgBox("Error occurs while waiting printer to finish.")
	EndIf

	PDSDK_ClosePrinter()
EndIf
```

bool PDSDK_Flush()

This function wait until there is pending data in printer input buffer.

Parameter

None.

Return Value

If no error occurs, this function returns True. If an error occurs this function returns False.

Example

See above.

string PDSDK_ReadMagstripe(int command, int timeout)

This function read magnetic card.

Parameter

command Specifies command parameter for reading magstripe. Value can be combination of following:

MAGSTRIPE_TRACK1	&H01	Read Track 1.
MAGSTRIPE_TRACK2	&H02	Read Track2.
MAGSTRIPE_TRACK3	&H04	Read Track 3.
MAGSTRIPE_PREFIX	&H08	Delimited track data with 0xF1, 0xF2, and 0xF3.
MAGSTRIPE_RAW	&H40	Return raw data in hex string.

timeout Specifies timeout of operation in milliseconds.

Return Value

If no error occurs, this function returns a valid data. If and error occurs this function returns empty string.

Example

```
Dim magstripe
Dim command

command = &H01 Or &H02 ' Read track 1  and track 2

If PDSDK_OpenPrinter("") = False Then 'Open a default printer
	MsgBox("Failed to open printer.")
Else

	magstripe = PDSDK_ReadMagstripe(command, 10000)
	If magstripe = "" Then
		MsgBox("Failed to read magstripe.")
	Else
		MsgBox(magstripe)
	EndIf

	PDSDK_ClosePrinter()
EndIf
```

string PDSDK_CheckPaycard(int command, int timeout)

This function read payment card and parse data from it.

Parameter

command Specifies command parameter for reading magstripe. Value can be combination of following:

MAGSTRIPE_TRACK1	&H01	Read Track 1.
MAGSTRIPE_TRACK2	&H02	Read Track2.
MAGSTRIPE_TRACK3	&H04	Read Track 3.

timeout Specifies timeout of operation in milliseconds.

Comments

The output string is '\n' separated; in form:<name>\n<number>\n<month>\n<year>

Return Value

If no error occurs, this function returns a valid data. If and error occurs this function returns empty string.

Example

```
Dim paycard
Dim command

command = &H01 Or &H02 ' Read track 1  and track 2

If PDSDK_OpenPrinter("") = False Then 'Open a default printer
	MsgBox("Failed to open printer.")
```

```
Else

        paycard = PDSDK_CheckPaycard(command, 10000)
        If paycard = "" Then
                MsgBox("Failed to check payment.")
        Else
                MsgBox(paycard)
        EndIf

        PDSDK_ClosePrinter()
EndIf
```

string PDSDK_ReadBarcode(int timeout)

This function read barcode.

Parameter

timeout Specifies timeout of operation in milliseconds.

Comments

The output string is '\\n' separated; in form:<name>\\n<data>

Return Value

If no error occurs, this function returns a valid data. If and error occurs this function returns empty string.

Example

```
Dim barcode

If PDSDK_OpenPrinter("") = False Then 'Open a default printer
        MsgBox("Failed to open printer.")
Else

        barcode = PDSDK_ReadBarcode(10000)
        If barcode = "" Then
                MsgBox("Failed to read barcode.")
        Else
                MsgBox(barcode)
        EndIf

        PDSDK_ClosePrinter()
EndIf
```

bool PDSDK_DynamicBegin()

This function start composing the dynamic drawable page.

Parameter

None.

Return Value

If no error occurs, this function returns True. If an error occurs this function returns False.

Example

See below.

bool PDSDK_DynamicEnd(bool finish)

This function ends the dynamic drawable page.

Parameter

finish Specifies if the printer is capable to continue with dynamic drawings (next dynamic page). If parameter is True then this is the last dynamic page.

Return Value

If no error occurs, this function returns True. If an error occurs this function returns False.

Example

See below.

bool PDSDK_DynamicPen(int width, int rgb_color)

This function sets the pen for dynamic drawing operations like drawing rectangle, ellipse and line.

Parameter

width	Specifies width of the pen.
rgb_color	Specifies color of the pen. The special color value of CLR_INVALID (&HFFFFFFFF) will define null pen i.e. not a pen selection.

Return Value

If no error occurs, this function returns True. If an error occurs this function returns False.

Example

See below.

bool PDSDK_DynamicBrush(int rgb_color)

This function sets the fill brush for dynamic drawing operations like drawing rectangle and ellipse.

Parameter

rgb_color	Specifies color of the brush. The special color value of CLR_INVALID (&HFFFFFFFF) will define null brush i.e. not a brush selection.

Return Value

If no error occurs, this function returns True. If an error occurs this function returns False.

Example

See below.

bool PDSDK_DynamicFont(string font, int points, int weight)

This function sets the font for dynamic drawing operations like drawing text.

Parameter

font	Specifies font name.
points	Specifies font size in points.
weight	Specifies font weight. The following values are shown for convenience:

FW_DONTCARE	0
FW_THIN	100
FW_EXTRALIGHT	200
FW_ULTRALIGHT	200
FW_LIGHT	300
FW_NORMAL	400
FW_REGULAR	400
FW_MEDIUM	500
FW_SEMIBOLD	600
FW_DEMIBOLD	600
FW_BOLD	700
FW_EXTRABOLD	800
FW_ULTRABOLD	800
FW_HEAVY	900
FW_BLACK	900

Return Value

If no error occurs, this function returns True. If an error occurs this function returns False.

Example

See below.

int PDSDK_DynamicText(string text, int left, int top, int right, int bottom, int align)

This function draws a text to the dynamic drawable page.

Parameter

text	Specifies text to be draw.
left	Specifies the x-coordinate of the upper-left corner of the text rectangle.
top	Specifies the y-coordinate of the upper-left corner of the text rectangle.
right	Specifies the x-coordinate of the lower-right corner of the text rectangle.
bottom	Specifies the x-coordinate of the lower-right corner of the text rectangle.
align	Specifies text aligment. The following values are shown for convenience:

DT_TOP	&H00000000	Top align
DT_LEFT	&H00000000	Left align
DT_CENTER	&H00000001	Center

Return Value

Function returns text height.

Example

See below.

bool PDSDK_DynamicGraphic(string filename, int left, int top, int right, int bottom)

This function draws the raster image file to the dynamic drawable page.

Parameter

filename	Specifies bitmap file.
left	Specifies the x-coordinate of the upper-left corner of the destination rectangle.
top	Specifies the y-coordinate of the upper-left corner of the destination rectangle.
right	Specifies the x-coordinate of the lower-right corner of the destination rectangle.
bottom	Specifies the x-coordinate of the lower-right corner of the destination rectangle.

Return Value

If no error occurs, this function returns True. If an error occurs this function returns False.

Example

See below.

bool PDSDK_DynamicWindow(FORM_HEADER *formptr, int left, int top, int right, int bottom)

This function draws the content of window handle to the dynamic drawable page.

Parameter

formptr	Specifies window to be print. If value is 0 then print the whole desktop.
left	Specifies the x-coordinate of the upper-left corner of the destination rectangle.
top	Specifies the y-coordinate of the upper-left corner of the destination rectangle.
right	Specifies the x-coordinate of the lower-right corner of the destination rectangle.
bottom	Specifies the x-coordinate of the lower-right corner of the destination rectangle.

Return Value

If no error occurs, this function returns True. If an error occurs this function returns False.

Example

See below.

bool PDSDK_DynamicRect(int left, int top, int right, int bottom)

This function draws the rectangle to the dynamic drawable page.

Parameter

left	Specifies the x-coordinate of the upper-left corner of the rectangle.
top	Specifies the y-coordinate of the upper-left corner of the rectangle.
right	Specifies the x-coordinate of the lower-right corner of the rectangle.
bottom	Specifies the x-coordinate of the lower-right corner of the rectangle.

Return Value

If no error occurs, this function returns True. If an error occurs this function returns False.

Example

See below.

bool PDSDK_DynamicEllipse(int left, int top, int right, int bottom)

This function draws the ellipse to the dynamic drawable page.

Parameter

left	Specifies the x-coordinate of the upper-left corner of the bounding rectangle.
top	Specifies the y-coordinate of the upper-left corner of the bounding rectangle.
right	Specifies the x-coordinate of the lower-right corner of the bounding rectangle.
bottom	Specifies the x-coordinate of the lower-right corner of the bounding rectangle.

Return Value

If no error occurs, this function returns True. If an error occurs this function returns False.

Example

See below.

bool PDSDK_DynamicLine(int from_x, int from_y, int to_x, int to_y)

This function draws the line between given two points using defined dynamic pen.

Parameter

left	Specifies the x-coordinate of the start position.
top	Specifies the y-coordinate of the start position.
right	Specifies the x-coordinate of the end position.
bottom	Specifies the y-coordinate of the end position.

Return Value

If no error occurs, this function returns True. If an error occurs this function returns False.

Example

See below.

bool PDSDK_DynamicPixel(int x, int y, int rgb_color)

This function draws the pixel at specified position with the specified color.

Parameter

x	Specifies the x-coordinate of the position.
y	Specifies the y-coordinate of the position.
rgb_color	Specifies the pixel color.

Return Value

If no error occurs, this function returns True. If an error occurs this function returns False.

Example

See below.

int PDSDK_DynamicPageWidth()

This function returns the dynamic page width.

Parameter

None.

Return Value

Function returns returns the dynamic page width.

Example

See below.

int PDSDK_DynamicPageHeight()

This function returns the dynamic page height.

Parameter

None.

Return Value

Function returns returns the dynamic page height.

Example

See below.

Dynamic drawing example:

```
Dim pageWidth
Dim pageHeight
Dim text
Dim i

If PDSDK_OpenPrinter("") = False Then 'Open a default printer
	MsgBox("Failed to open printer.")
Else
	If PDSDK_DynamicBegin() = False Then
		MsgBox("Failed to start dynamic page")
		PDSDK_ClosePrinter()
		Exit
	EndIf

	pageWidth = PDSDK_DynamicPageWidth()
	pageHeight = PDSDK_DynamicPageHeight()

	' ------------------------------------------------------------------------
	' Clear dynamic page
	PDSDK_DynamicPen(1, &HFFFFFFFF)
	PDSDK_DynamicBrush(&H00FFFFFF)
	PDSDK_DynamicRect(0, 0, pageWidth, pageHeight)

	text = "Draw shapes in dynamic page " & pageWidth & "x" & pageHeight
	PDSDK_DynamicFont("Tahoma", 14, 700)
	PDSDK_DynamicText(text, 0, 0, pageWidth, 50, &H00000000)

	PDSDK_DynamicPen(1, &H00000000)
	PDSDK_DynamicBrush(&H00FFFFFF)
	PDSDK_DynamicRect(0, 50, pageWidth, 150)
	PDSDK_DynamicEllipse(0, 200, pageWidth, 300)

	PDSDK_DynamicLine(0, 330, pageWidth, 330)

	For i = 0 To pageWidth
		If (I mod 10) > 5 Then
			PDSDK_DynamicPixel(i, 340, &H00000000)
		EndIf
	Next

	If PDSDK_DynamicEnd(False) = False Then
		MsgBox("Failed to end dynamic page")
```

```
            PDSDK_ClosePrinter()
            Exit
        EndIf
        ' ---------------------------------------------------------------------
        ' Clear dynamic page
        PDSDK_DynamicPen(1, &HFFFFFFFF)
        PDSDK_DynamicBrush(&H00FFFFFF)
        PDSDK_DynamicRect(0, 0, pageWidth, pageHeight)

        text = "Sample.bmp"
        if PDSDK_DynamicGraphic(text, 0, 0, pageWidth, pageHeight) = False Then
            text = "Failed to draw " & text
            PDSDK_DynamicFont("Tahoma", 14, 700)
            PDSDK_DynamicText(text, 0, 0, pageWidth, 50, &H00000000)
        EndIf

        If PDSDK_DynamicEnd(False) = False Then
            MsgBox("Failed to end dynamic page")
            PDSDK_ClosePrinter()
            Exit
        EndIf

        ' ---------------------------------------------------------------------
        ' Clear dynamic page
        PDSDK_DynamicPen(1, &HFFFFFFFF)
        PDSDK_DynamicBrush(&H00FFFFFF)
        PDSDK_DynamicRect(0, 0, pageWidth, pageHeight)

        if PDSDK_DynamicWindow(Forms("SFSUPPDemo"), 0, 0, pageWidth, pageHeight) = False
        Then
            text = "Failed to draw window " & Forms("SFSUPPDemo")
            PDSDK_DynamicFont("Tahoma", 14, 700)
            PDSDK_DynamicText(text, 0, 0, pageWidth, 50, &H00000000)
        EndIf

        If PDSDK_DynamicEnd(True) = False Then
            MsgBox("Failed to end dynamic page")
            PDSDK_ClosePrinter()
            Exit
        EndIf

        ' ---------------------------------------------------------------------
        PDSDK_ClosePrinter()
EndIf
```

Remarks

For general inquiries, bug reports and comments please send email to: pocketpc@datecs.bg