

Re: Drawing a line

Source: <http://www.tech-archive.net/Archive/VC/microsoft.public.vc.mfc/2006-04/msg01235.html>

- *From:* Joseph M. Newcomer <newcomer@xxxxxxxxxxxxx>
 - *Date:* Sun, 16 Apr 2006 23:25:03 -0400
-

The place where you create new classes is where you specify the base class, so you would specify CStatic as the base class.

And a complete specification would give the line width,

Also, the question about how you create a static control with a 256-bit-wide client area is important. You have not indicated how you have done this.

joe

On Mon, 17 Apr 2006 02:21:08 GMT, "Ed" <eddie@xxxxxxxxxxxxx> wrote:

I am totally new to graphics in VC++ 6.0 so please bear with me.
What is stated below is exactly what I want to do.
But, I want the line to appear inside of a picture box.
My application is dialog based.
How do I create a "subclass" of CStatic?
I see where I can create new classes in the class wizard but no subclasses.

"Joseph M. Newcomer" <newcomer@xxxxxxxxxxxxx> wrote in message news:aor042d4nn1rvappf5msi3p7ducq9ftig6@xxxxxxxxxxxxx

This is not a particularly good description, since you need to say something about the nature of the "line".

For example, if you want a "line" that is 256 pixels long where each pixel has a different value, the simplest mechanism would be

Create a subclass of CStatic:

```
class CMyDrawing : public CStatic {  
...  
}
```

using the ClassWizard. Then add an OnPaint handler

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```
void CMyDrawing::OnPaint()
{
    CPaintDC dc(this);
    int y = ...some value of where you want this horizontal line to appear
    BYTE bytes[256];
    ...load up the array of bytes, or have the array be in the class as a
    ... class variable

    for(int i = 0; i < 256; i++)
    {
        dc.SetPixel(i, y, RGB(bytes[i], 0, 0));
    }
}
```

This draws a 1-pixel horizontal line where every pixel has a color based on the value in bytes[i]

Note the advice about looking at the Scribble tutorial; you need to get some familiarity with how all graphics are done.
joe

On Thu, 13 Apr 2006 12:35:27 GMT, "Ed" <eddie@xxxxxxxxxxx> wrote:

I have a string of 256 numbers ranging in value from 0 to 255.
Lets say I want to draw a horizontal Red 256 point line of