Subject: DrawImage with XOR undefined Posted by nixnixnix on Mon, 16 Apr 2007 13:15:54 GMT View Forum Message <> Reply to Message

I am currently trying to use the following function from the help

Quote:

enum { EFFECT_MASK, STANDARD, GRAYED, ETCHED, XOR }

EFFECT_MASK bit mask covering all values of supported drawing effects STANDARD Displays the image with its usual colors. GRAYED Draws a grayed image, i.e. discards color information. ETCHED Draws an 'etched' image outline (used e.g. in toolbars to mark 'disabled' buttons). XOR Draws the image using the XOR bitwise operator. This is sometimes used for drag & drop where, during dragging, the desired image is being repeatedly displayed and removed using the same logical operation.

void DrawImage(const Rect& rect, const Image& img, int fx = 0) Draws the whole image img into the rectangle rect relative to current coordinate origin. rect Destination (output) rectangle (relative to current origin) img Image to draw at the specified location. fx Special drawing effects (see above).

I want to do exactly what it describes for drag and drop using XOR but when I compile I get XOR undefined. Is there something wrong with this please?

w.DrawImage(rc1,m_image,XOR); w.DrawImage(rc2,m_image,XOR);

Any help much appreciated.

Thanks,

Nick

p.s. I searched the upp/src for the terms XOR and ETCHED and got no hits apart from one comment. If the documentation is out of date, can anyone tell me what the current best way to do this is because I've looked through all the examples and reference and cannot find anything.

Subject: Re: DrawImage with XOR undefined Posted by mirek on Mon, 16 Apr 2007 15:39:04 GMT View Forum Message <> Reply to Message

nixnixnix wrote on Mon, 16 April 2007 09:15I am currently trying to use the following function from the help

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p.s. I searched the upp/src for the terms XOR and ETCHED and got no hits apart from one comment. If the documentation is out of date, can anyone tell me what the current best way to do this is because I've looked through all the examples and reference and cannot find anything.

Sorry, obsolete documentation. Image was changed last year and required support of alpha chanel essentialy made these impossible...

Subject: Re: DrawImage with XOR undefined Posted by nixnixnix on Mon, 16 Apr 2007 16:33:44 GMT View Forum Message <> Reply to Message

woah! so there is no way to do what I need to do?

that's it? this functionality does not exist in upp in any form?

wow.

ok so I guess I need to sample the screen at the target rect somehow before I DrawImage and then paint it back later.

Just posting to check that this is really true: this functionality is completely abandoned.

Cheers,

Nick

Subject: Re: DrawImage with XOR undefined Posted by mirek on Mon, 16 Apr 2007 22:07:54 GMT View Forum Message <> Reply to Message

nixnixnix wrote on Mon, 16 April 2007 12:33woah! so there is no way to do what I need to do?

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wow.

ok so I guess I need to sample the screen at the target rect somehow before I DrawImage and then paint it back later.

Just posting to check that this is really true: this functionality is completely abandoned.

What exactly are you trying to do?

Usually, it just OK to repaint the area... See e.g. Layout designer in TheIDE - there is a lot of

dragging performed, but everything is done throught the repainting...

Mirek

Subject: Re: DrawImage with XOR undefined Posted by nixnixnix on Tue, 17 Apr 2007 19:20:11 GMT View Forum Message <> Reply to Message

I am using RectTracker to grab a node from a TreeCtrl and drag it onto another node in order to change the tree hierarchy.

I've subclassed from RectTracker and overwritten its DrawRect routine. My only problem is that I erase the background so I need to sample it and replace it. I've tried the following approaches:

1) I can get the TreeCtrl to repaint itself but TreeCtrl::GetLineCount() falls over when I'm in the local loop so I can't ask the nodes to repaint themselves.

2) I tried refresh but it gets carried out after I draw the dragged image so even though I only refresh the rect containing the old position of the dragged node (i.e. rc1), it still erases most of the dragged node. If there was a way to refresh a rect minus another rect that would work (clipping?).

3) If I could do this by sampling the screen, I would be able to apply this method to other views in which a refresh takes a long time. However my attempts to sample the screen are so far not successful. See below:

```
void LayerTracker::DrawRect(Rect rc1,Rect rc2)
{
    ViewDraw w(&GetMaster());
    w.DrawImage(rc1,m_screen);
    // sample screen at rc2
    ImageBuffer ib(rc2.Size());
```

```
ImageBuffer buf = w;
```

```
for(int i=0;i<rc2.Height();i++)
{
    RGBA* pS = buf[rc2.top+i];
    RGBA* pB = ib[rc2.top+i];
    memcpy(pB,pS,rc2.Width());
}</pre>
```

```
m_screen = ib;
```

w.DrawImage(rc2,m_image);

}

m_image and m_screen are or type Image. My problem is there is no conversion from ViewDraw to Image. Ideally I would use a function of this form

Image ViewDraw::GetImage(Rect rcSample)

Is there a way to sample screen pixels at present?

Nick

Subject: Re: DrawImage with XOR undefined Posted by mirek on Tue, 17 Apr 2007 19:57:06 GMT View Forum Message <> Reply to Message

nixnixnix wrote on Tue, 17 April 2007 15:20I am using RectTracker to grab a node from a TreeCtrl and drag it onto another node in order to change the tree hierarchy.

I tried asking the tree control to redraw its nodes while I was in the RectTracker loop but it fell over due to some checks it performs on itself so am now thinking that the easiest way to do this is sample the screen while I'm tracking in the local loop and draw directly on the screen. Because I'm in the local loop I can't wait to refresh.

I've subclassed from RectTracker and overwritten its DrawRect routine. My only problem is that I erase the background so I need to sample it and replace it.

Another alternative would be to catch LeftDown, MouseMove and LeftUp but I like some of the default behavior or RectTracker so as long as my idea to sample the background works, am there.

Nick

I see. Well, right at the moment, I would rather tried radically different approach - make the tree out of Ctrl nodes, so that you can easily handle the drag&drop operation by them.

OTOH, I think this is a strong indication that we should do something with D&D soon...

Mirek

Subject: Re: DrawImage with XOR undefined Posted by nixnixnix on Tue, 17 Apr 2007 20:13:31 GMT View Forum Message <> Reply to Message oops I thought it was night in your time zone so I updated my question to make more sense - please see above as I've already tried your suggestion but GetLineCount() causes a crash.

Subject: Re: DrawImage with XOR undefined Posted by nixnixnix on Wed, 18 Apr 2007 03:07:42 GMT View Forum Message <> Reply to Message

hmmm, I tried a callback to see if it was executed after the refresh but no luck.

Is the GetLineCount crash a bug or is it just my improper use of the function? I only ask because you have implied that I should be able to get run through the TreeCtrl's nodes and get them to redraw themselves but in order to do this I need to call GetLineCount

If there was a way of telling TreeCtrl to paint itself and all its nodes then this part of my puzzle would be over.

Cheers,

Nick

Subject: Re: DrawImage with XOR undefined Posted by mirek on Wed, 18 Apr 2007 09:16:59 GMT View Forum Message <> Reply to Message

This looks a little bit way too much complicated to me.

Why do not you just create a cursor instead drawing into TreeCtrl? Alternatively, if cursor would be too big, you can always drag small popup window in your local loop.

ViewDraw is reserved just for the most special situations...

Mirek

P.S.: Now I seriously see that sooner D&D is finalized, the better. We have been hesitating for too long.

Subject: Re: DrawImage with XOR undefined Posted by nixnixnix on Wed, 18 Apr 2007 14:35:10 GMT View Forum Message <> Reply to Message

Thanks again Mirek,

I'll try keeping a list of the Nodes so I can access their ctrls and tell them to draw and if that doesnt work I'll try the popup window. After all this I now have a more general question but I'll start a new

thread.

Cheers and thanks for helping me work through this,

Nick

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