Subject: Copy and Paste changes colors in Icon Edit [BUG]
Posted by fallingdutch on Sat, 28 Oct 2006 17:32:00 GMT

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I have opend the following picture with "the gimp" and copied it, then pasted it into theIDE icon editor and the screwbar changed from red to blue ... looks good, too, but wasn't what I expected

Bas

[edit: the format was png, and it happened with other icons, too. It seems like red and blue are always switched]

```
File Attachments
1) copypaste.jpg, downloaded 2692 times
```

Subject: Re: Copy and Paste changes colors in Icon Edit [BUG]
Posted by mirek on Wed, 01 Nov 2006 08:53:20 GMT

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Interesting.

Are other colors in TheIDE icons ok?

If so, even more interesting... The format used to pass images through clipboard is (surprisingly) .bmp first and .png if .bmp is not available.

Maybe in 64-bits there is some problem with RGBA structure...

Mirek

Subject: Re: Copy and Paste changes colors in Icon Edit [BUG]
Posted by fallingdutch on Wed, 01 Nov 2006 09:15:13 GMT

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found another nice icon with all colors: green seems to be ok, only the red and blue channels seem to be switched

Bas

```
File Attachments
1) copypaste2.jpg, downloaded 2692 times
```

Subject: Re: Copy and Paste changes colors in Icon Edit [BUG]
Posted by mirek on Wed, 01 Nov 2006 09:19:28 GMT

Sure, that is obvious.

The question is when switching happens.

It can be in Draw or it can be in .bmp routines or in .png routines....

BTW, are "small" icon previes OK?

Or something else - could you please post complete screenshot so I can check more? This one is too small....

Mirek

Subject: Re: Copy and Paste changes colors in Icon Edit [BUG]
Posted by fallingdutch on Wed, 01 Nov 2006 09:34:41 GMT

the preview is wrong, too

just have a look at the new (complete) screenshot

Bas

```
File Attachments
1) copypaste3.jpg, downloaded 1408 times
```

Subject: Re: Copy and Paste changes colors in Icon Edit [BUG]
Posted by mirek on Wed, 01 Nov 2006 09:56:01 GMT

fallingdutch wrote on Wed, 01 November 2006 04:34the preview is wrong, too

just have a look at the new (complete) screenshot

Bas

OK, all colors seem to be correct EXCEPT for that pasted icon.

Therefore definitely looks like the bug in .bmp or .png decoder.

It would be interesting to find out which one

Could you please build debug version of ide and place some LOGs to ReadClipboardImage (CtrlCore/X11ImgClip.cpp) to find out whether it is .bmp or .png?

Are you running 32 bit or 64 bit ide?

Mirek

Subject: Re: Copy and Paste changes colors in Icon Edit [BUG]
Posted by fallingdutch on Wed, 01 Nov 2006 10:38:11 GMT
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luzr wrote on Wed, 01 November 2006 10:56
Could you please build debug version of ide and place some LOGs to ReadClipboardImage (CtrlCore/X11ImgClip.cpp) to find out whether it is .bmp or .png?

When doing so my ide crashes with a heap error at the moment, that could be the Problem i found somewhere in the forum when using two iml files:
http://www.arilect.com/upp/forum/index.php?t=msg&th=1617 &start=0&

* ide 01.11.2006 12:33:22, user: bas

GetProperty
XAtomName(property) = _NET_SUPPORTED
X Error: BadAtom (invalid Atom parameter), request: X_GetAtomName, resource id: 0 = 0
XAtomName(rtype) =
rsize = 65435
format = 32
type = 4
after = 0
nitems = 25
GetProperty
XAtomName(property) = _NET_WORKAREA
X Error: BadAtom (invalid Atom parameter), request: X_GetAtomName, resource id: 0 = 0
XAtomName(rtype) =
rsize = 65435
format = 32
type = 6
after = 0
nitems = 24
GetProperty
XAtomName(property) = _NET_FRAME_EXTENTS
X Error: BadAtom (invalid Atom parameter), request: X_GetAtomName, resource id: 0 = 0
XAtomName(rtype) =
rsize = 65435
format = 0
type = 0

after = 0
nitems = 0
GetProperty
XAtomName(property) = _NET_FRAME_EXTENTS
X Error: BadAtom (invalid Atom parameter), request: X_GetAtomName, resource id: 0 = 0
XAtomName(rtype) =
rsize = 65435
format = 0
type = 0
after = 0
nitems = 0
GetProperty
XAtomName(property) = _NET_FRAME_EXTENTS
X Error: BadAtom (invalid Atom parameter), request: X_GetAtomName, resource id: 0 = 0
XAtomName(rtype) =
rsize = 65435
format = 0
type = 0
after = 0
nitems = 0
GetProperty
XAtomName(property) = _NET_FRAME_EXTENTS
X Error: BadAtom (invalid Atom parameter), request: X_GetAtomName, resource id: 0 = 0
XAtomName(rtype) =
rsize = 65435
format = 0
type = 0
after = 0
nitems = 0
GetProperty
XAtomName(property) = _NET_FRAME_EXTENTS
X Error: BadAtom (invalid Atom parameter), request: X_GetAtomName, resource id: 0 = 0
XAtomName(rtype) =
rsize = 65435
format = 0
type = 0
after = 0
nitems = 0
GetProperty
XAtomName(property) = _NET_FRAME_EXTENTS
X Error: BadAtom (invalid Atom parameter), request: X_GetAtomName, resource id: 0 = 0
XAtomName(rtype) =
rsize = 65435
format = 0
type = 0
after = 0
nitems = 0

Heap is corrupted

MemoryWatchFree(0x0x2aaaac3bed30);

Memory at 0x2AAAAC3BED30, size 0x240 = 576
   +0 0x00002AAAAC3BED30 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00   ....
   +16 0x00002AAAAC3BED40 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00   ....

Heap is corrupted
strerror_r(0, 1024) -> errno = 0
strerror_r(0, 1024) -> errno = 0

Will complete recompile to test again, in release mode, too

luzr wrote on Wed, 01 November 2006 10:56
Are you running 32 bit or 64 bit ide?

64 bit

Bas

Subject: Re: Copy and Paste changes colors in Icon Edit [BUG]
Posted by fallingdutch on Wed, 01 Nov 2006 11:00:24 GMT
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Icon Designer works in release mode, but i am unable to work with it in debug mode - crashes
each time with a heap error
* ide 01.11.2006 13:05:18, user: bas

GetProperty
XAtomName(property) = _NET_SUPPORTED
X Error: BadAtom (invalid Atom parameter), request: X_GetAtomName, resource id: 0 = 0
XAtomName(rtype) =
rsize = 65435
format = 32
type = 4
after = 0
nitems = 25
GetProperty
XAtomName(property) = _NET_WORKAREA
X Error: BadAtom (invalid Atom parameter), request: X_GetAtomName, resource id: 0 = 0
XAtomName(rtype) =
rsize = 65435
format = 32
type = 6

after = 0
nitems = 24
GetProperty
XAtomName(property) = _NET_FRAME_EXTENTS
X Error: BadAtom (invalid Atom parameter), request: X_GetAtomName, resource id: 0 = 0
XAtomName(rtype) =
rsize = 65435
format = 0
type = 0
after = 0
nitems = 0
GetProperty
XAtomName(property) = _NET_FRAME_EXTENTS
X Error: BadAtom (invalid Atom parameter), request: X_GetAtomName, resource id: 0 = 0
XAtomName(rtype) =
rsize = 65435
format = 0
type = 0
after = 0
nitems = 0
GetProperty
XAtomName(property) = _NET_FRAME_EXTENTS
X Error: BadAtom (invalid Atom parameter), request: X_GetAtomName, resource id: 0 = 0
XAtomName(rtype) =
rsize = 65435
format = 0
type = 0
after = 0
nitems = 0
GetProperty
XAtomName(property) = _NET_FRAME_EXTENTS
X Error: BadAtom (invalid Atom parameter), request: X_GetAtomName, resource id: 0 = 0
XAtomName(rtype) =
rsize = 65435
format = 0
type = 0
after = 0
nitems = 0

Heap is corrupted

MemoryWatchFree(0x0x2aaaac98fd30);

Memory at 0x2AAAAC98FD30, size 0x240 = 576
    +0 0x00002AAAAC98FD30 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00   ....
  +16 0x00002AAAAC98FD40 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00   ....

Heap is corrupted

Subject: Re: Copy and Paste changes colors in Icon Edit [BUG]
Posted by mirek on Wed, 01 Nov 2006 11:20:33 GMT
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Just an idea, recently we accidentally found a bug that most likely blows 64-bits.

Please check in Draw/RasterEncoder:

```
void RasterEncoder::WriteLine(const RGBA *s)
{
 memcpy(line, s, size.cx * sizeof(RGBA));
 WriteLine();
}
```

Buggy version is with "sizeof(s)" (typo), which unfortunately works in 32 bits, but not in 64...

Mirek

Subject: Re: Copy and Paste changes colors in Icon Edit [BUG]
Posted by fallingdutch on Wed, 01 Nov 2006 12:04:42 GMT
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yes, had the version with sizeof(s) - changed it and debug mode works now.
strange is: it works in release mode with the bug ...

The format was PNG.

Bas

Subject: Re: Copy and Paste changes colors in Icon Edit [BUG]
Posted by mirek on Wed, 01 Nov 2006 12:27:37 GMT
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fallingdutch wrote on Wed, 01 November 2006 07:04yes, had the version with sizeof(s) - changed
it and debug mode works now.
strange is: it works in release mode with the bug ...

The format was PNG.

Bas

Well, in release heap corruption is not tested...

Mirek

Subject: Re: Copy and Paste changes colors in Icon Edit [BUG]
Posted by fallingdutch on Wed, 01 Nov 2006 13:00:01 GMT
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but the image is still not pasted correctly

Bas

Subject: Re: Copy and Paste changes colors in Icon Edit [BUG]
Posted by mirek on Wed, 01 Nov 2006 18:35:50 GMT
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Downloading suse 64bit now

Mirek

Subject: Re: Copy and Paste changes colors in Icon Edit [BUG]
Posted by fallingdutch on Wed, 01 Nov 2006 19:18:35 GMT
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thanks a lot, Mirek

that is what you call SUPPORT!

Bas

Subject: Re: Copy and Paste changes colors in Icon Edit [BUG]
Posted by mirek on Wed, 01 Nov 2006 19:27:09 GMT
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fallingdutch wrote on Wed, 01 November 2006 14:18thanks a lot, Mirek

that is what you call SUPPORT!

Bas

Actually, do not stop complaining please!

(there is a lot going on now, chances I forget about this problem are high...)

Mirek

Subject: Re: Copy and Paste changes colors in Icon Edit [BUG]
Posted by fallingdutch on Thu, 02 Nov 2006 06:49:30 GMT
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luzr wrote on Wed, 01 November 2006 20:27
Actually, do not stop complaining please!

I won't, Mirek I won't

Bas

Subject: Re: Copy and Paste changes colors in Icon Edit [BUG]
Posted by mirek on Sat, 04 Nov 2006 19:19:01 GMT
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Fixed.

Mirek

Subject: Re: Copy and Paste changes colors in Icon Edit [BUG]
Posted by fallingdutch on Sat, 04 Nov 2006 23:17:51 GMT
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luzr wrote on Sat, 04 November 2006 20:19Fixed.

Mirek
thanks Mirek, sounds like a "recopy and paste all of your icons"

can you give me a patch or how will i get it? next dev-version?

Bas

Subject: Re: Copy and Paste changes colors in Icon Edit [BUG]
Posted by mirek on Sun, 05 Nov 2006 05:13:48 GMT
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dev release will be today or tommorow... As there is one critical other problem fixed, I strongly
recommend to download it...

If you want it even faster, in Draw/RasterFormat.cpp, remove LINUX versions of SetRGBA and
IsRGBA method and make WIN32 the only one valid.

Mirek