
Subject: Problem displaying labels under ubuntu 7.10
Posted by [nixnixnix](#) on Sat, 29 Mar 2008 16:05:33 GMT
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Thanks for the 2008.2 beta for linux

My code compiles and runs fine apart from a few display problems. I use a drag and drop option tree and whilst I can see the option control and the image, the text gets hidden behind the option and is limited to the client space of the option control.

I have reproduced the problem by adapting the DND tree control example

EDIT: this code runs perfectly under Windows XP, just not under ubuntu 7.10

```
#include "CtrlLib/CtrlLib.h"

using namespace Upp;

struct App : TopWindow {
    TreeCtrl tree;

    Option options[10000];

    typedef App CLASSNAME;

    void DropInsert(int parent, int ii, PasteClip& d)
    {
        tree.AdjustAction(parent, d);
        if(AcceptInternal<TreeCtrl>(d, "mytreedrag")) {
            tree.InsertDrop(parent, ii, d);
            tree.SetFocus();
            return;
        }
        if(AcceptText(d)) {
            tree.SetCursor(tree.Insert(parent, ii, Image(), GetString(d)));
            tree.SetFocus();
            return;
        }
    }

    void Drag()
    {
        if(tree.DoDragAndDrop(InternalClip(tree, "mytreedrag"),
            tree.GetDragSample()) == DND_MOVE)
            tree.RemoveSelection();
    }
}
```

```

App() {
  Add(tree.SizePos());
  Vector<int> parent, parent2;
  parent.Add(0);
  tree.SetRoot(Image(), "The Tree");
  for(int i = 1; i < 10000; i++)
  {
    TreeCtrl::Node node(CtrlImg::File(),options[i],20);
    node.Set(FormatIntRoman(i, true));
    parent.Add(tree.Add(parent[rand() % parent.GetCount()],node));

// parent.Add(tree.Add(parent[rand() % parent.GetCount()], Image(),
//          FormatIntRoman(i, true)));
    if((rand() & 3) == 0)
      tree.Open(parent.Top());
  }
  tree.Open(0);
  tree.WhenDropInsert = THISBACK(DropInsert);
  tree.WhenDrag = THISBACK(Drag);
  tree.MultiSelect();
  Sizeable();
}
};

GUI_APP_MAIN
{
  App().Run();
}

```

Subject: Re: Problem displaying labels under ubuntu 7.10
 Posted by [nixnix](#) on Mon, 07 Apr 2008 14:21:18 GMT
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no interest?

the test case I've given is very clear. Is there anything else I can do to help get this fixed?

Nick

Subject: Re: Problem displaying labels under ubuntu 7.10
 Posted by [mrjt](#) on Mon, 07 Apr 2008 17:24:11 GMT
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I believe the problem is probably linked to the changes suggested here but I'm not sure why it

would only affect Ubuntu.

I think the problem might be the change to `TreeCtrl::Item::GetValueSize`. Unfortunately I can't test this on Ubuntu at the mo, but if you want a quick fix I can suggest 2 changes that might fix it:

```
Size TreeCtrl::Item::GetValueSize() const
{
    return display ? display->GetStdSize(value) : StdDisplay().GetStdSize(value);
}
```

```
Size TreeCtrl::Item::GetCtrlSize() const
{
    return IsNull(size) ? (ctrl ? ctrl->GetStdSize() : Size(0, 0)) : size;
}
```

```
Size TreeCtrl::Item::GetSize() const
{
    Size sz = GetValueSize();
    Size csz = GetCtrlSize();
    sz += Size(2 * margin, 2 * margin);
    Size isz = image.GetSize();
    sz.cx += isz.cx;
    sz.cy = max(sz.cy, isz.cy);
    sz.cx += csz.cx;
    sz.cy = max(sz.cy, csz.cy);
    return sz;
}
```

and then in `TreeCtrl::Paint` you need to add:

```
if(m.ctrl)
    x += m.GetCtrlSize().cx;
```

after the 'dword st;' line (near the end).

The problem with `TreeCtrl` is that everyone seems to find new and interesting ways of breaking it and the fixes always break something else . So I can't guarantee that these changes will work for everyone but it works for both reference examples, your example and the one from the thread linked above.

James

Subject: Re: Problem displaying labels under ubuntu 7.10
Posted by [nixnixnix](#) on Mon, 07 Apr 2008 20:18:13 GMT
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Thanks James,

Your suspicions were correct. I didn't realise there was a second 2008.1 beta (the numbering

convention appears to have changed from YYYY.MM). I "upgraded" to the second beta and now its broken in windows too. Your fixes works though so I can only hope they make it into the official version.

Nick

Subject: Re: Problem displaying labels under ubuntu 7.10
Posted by [mirek](#) on Wed, 16 Apr 2008 09:25:29 GMT
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OK, applied.

Mirek
