Subject: AttrText() and content of the cell
Posted by forlano on Tue, 02 Oct 2007 19:59:00 GMT

Hello,

I'm using the following code to color the background of a cell
.
marray.Set(r, c, AttrText(txt).Paper(Color(150, 150, 150)));

I would like to know if this operation modify the content of the cell with respect the following code

marray.Set(r, c, txt);

From what I'm observing it seems that the content of the cell is not exactly the same. Maybe some invisible character is added by AttrText() that it is passed to display to paint the cell?
Thanks,
Luigi

Subject: Re: AttrText() and content of the cell
Posted by forlano on Wed, 03 Oct 2007 13:46:41 GMT

forlano wrote on Tue, 02 October 2007 21:59
From what I'm observing it seems that the content of the cell is not exactly the same. Maybe some invisible character is added by AttrText() that it is passed to display to paint the cell?
Thanks,
Luigi

It is as suspected


```
#include <CtrlLib/CtrlLib.h>
using namespace Upp;

GUI_APP_MAIN
{ ArrayCtrl arr;
  TopWindow w;
  w.Add(arr);
  arr.SizePos();
  arr.AddColumn("col");
  arr.AddColumn("two");
  arr.Add( 1, 2);
```

```
  arr.Add( 1, 2);
  arr.Add( 1, 2);

  arr.Set(2,1, AttrText("2").Paper(Color(250,150,150)) );
  arr.Add( 1, arr.Get(2,1) );  //arr.Get(2,1) get not only the number "2" but even some info
regarding the color of the cell
  arr.Add( 1, arr.Get(2,1).ToString() );  //I can't get "2"
  arr.Add( 1, AsString(arr.Get(2,1)) );  //I can't get "2"

  w.Run();
}
```

Because AttrText() (both in arrayctrl and gridctrl) extend in some way the data I put inside the cell I would like to know how to extract the data previously inserted in the cell. I mean disregarding the color information and so on. In other words, if I put a number in the cell and then modify its appearence I would like to get back the same number if I need it.

Alternatively I would like to know how to set the background color of a cell indipendently of the content of the cell. If I use Display I can test the passed data, but sometimes would be very useful a direct way to change the background of the cell (i,j) irrispective of the value inside and in a way that it is determined only at runtime.

Luigi

Subject: Re: AttrText() and content of the cell
Posted by mrjt on Wed, 03 Oct 2007 14:44:04 GMT
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The ArrayCtrl is just returning exactly what you put in - an AttrText - but contained in a Value. You just need to convert it back, though this is more slightly more complicated than for Upp 'native' types:
```
WString GetText(const Value &v)
{
    return IsTypeRaw<AttrText>(v) ? ValueTo<AttrText>(v).text : WString();
}James
```

Subject: Re: AttrText() and content of the cell
Posted by forlano on Wed, 03 Oct 2007 17:01:25 GMT
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mrjt wrote on Wed, 03 October 2007 16:44The ArrayCtrl is just returning exactly what you put in - an AttrText - but contained in a Value. You just need to convert it back, though this is more slightly

more complicated than for Upp 'native' types:
WString GetText(const Value &v)
{
    return IsTypeRaw<AttrText>(v) ? ValueTo<AttrText>(v).text : WString();
}James

  I missed this trick and I lost many hours finding bugs in improbable places. Everything now work but I needed to modify the previous code as this

```
String GetText(const Value &v)
{
    return IsTypeRaw<AttrText>(v) ? ValueTo<AttrText>(v).text.ToString() : (String) v;
}
```

Thanks!
Luigi

Subject: Re: AttrText() and content of the cell
Posted by mirek on Sat, 06 Oct 2007 15:46:00 GMT
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Actually....

Well, as usually, each simplification tends to backfire...

AttrText was added as simple trick for situations you want to basically use simple visual enchacements and you DO NOT NEED TO READ THE DATA again.

If you do (need to read them), it is better to use custom Display to alter the appearance of displayed Value.

Mirek