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Subject: Cells appearance and text alignment  
Posted by [mdelfede](#) on Sat, 13 Feb 2010 16:22:40 GMT  
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I've got 2 small problems shown in attached image.  
Is there a symple way to do it ?

Ciao

Max

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### File Attachments

1) [ArrayCtrl.jpg](#), downloaded 704 times

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Subject: Re: Cells appearance and text alignment  
Posted by [Sender Ghost](#) on Sat, 13 Feb 2010 17:45:17 GMT  
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mdelfede wrote on Sat, 13 February 2010 17:22  
Is there a symple way to do it ?

Yes, there is.  
Just use AttrText struct:

ArrayCtrl list;

```
list.AddColumn("x1 (cm)").HeaderTab().SetAlign(ALIGN_RIGHT);  
list.AddColumn();
```

```
for (int i = 0; i < 10; ++i)  
{  
    const String data(AsString(i));  
    list.Add(AttrText(data).Align(ALIGN_RIGHT), AttrText(data).Paper(SColorFace()).Ink(SBlack()));  
}
```

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Subject: Re: Cells appearance and text alignment  
Posted by [mdelfede](#) on Sat, 13 Feb 2010 18:11:09 GMT  
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Hi, thanx again

But I forgot to mention 2 stuffs :

- 1) I'd like to keep previous value in cell, just hide them when they shouldn't be selectable
- 2) I'm using embedded editfields, which isn't maybe a good idea (just used because of checks on valid characters...)

Anyways, if I've read well the docs, using AttrText makes it difficult to read back value from arrayctrl.

Maybe I'll try it anyways

Ciao

Max

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Subject: Re: Cells appearance and text alignment  
Posted by [mdelfede](#) on Sat, 13 Feb 2010 18:27:51 GMT  
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Wellm first problem solved with SetDisplay() and NoEdit() :

```
class _StaticDisplay : public Display
{
public:

    virtual void Paint(Draw& w, const Rect& r, const Value& q, Color ink, Color paper, dword style)
    const
    {
        StdDisplay().Paint(w, r, q, SColorText(), SColorFace, 0);
    }
};

Display const &StaticDisplay(void)
{
    static _StaticDisplay disp;

    return (Display const &)disp;
}

.....
loads.AddColumn("").Margin(0).SetDisplay(StaticDisplay()).NoEdit();
```

Ciao

Max

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Subject: Re: Cells appearance and text alignment  
Posted by [Sender Ghost](#) on Sat, 13 Feb 2010 18:33:00 GMT  
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mdelfede wrote on Sat, 13 February 2010 19:11  
Anyways, if I've read well the docs, using AttrText makes it difficult to read back value from arrayctrl.

Not really. The AttrText struct is "raw value type" in ArrayCtrl.  
For previous example you can use following code to display it:

```
int index = list.GetCursor();  
  
AttrText data = ValueTo<AttrText>(list.Get(index, 1));  
  
PromptOK(AsString(data.text));
```

After read your third message here:  
Yes, there is other possibilities like using Display.  
May be, hard tools are relative for this complex task.

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Subject: Re: Cells appearance and text alignment  
Posted by [mdelfede](#) on Sat, 13 Feb 2010 19:12:44 GMT  
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Now, last problem (I hope !)

All works, but I can't disable/enable editing with an embedded control for selected cell(s).  
Any way to do it ?

Ciao

Max

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Subject: Re: Cells appearance and text alignment  
Posted by [Sender Ghost](#) on Sat, 13 Feb 2010 19:33:58 GMT

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mdelfede wrote on Sat, 13 February 2010 20:12

All works, but I can't disable/enable editing with an embedded control for selected cell(s).  
Any way to do it ?

Try to use SetCtrl method of ArrayCtrl. Assign disabled and enabled ctrls to cells.  
Also read about SetFormat and SetConvert methods for checks on valid characters.

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Subject: Re: Cells appearance and text alignment

Posted by [mdelfede](#) on Sat, 13 Feb 2010 19:47:11 GMT

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Hi Sender Ghost,

Sender Ghost wrote on Sat, 13 February 2010 20:33mdelfede wrote on Sat, 13 February 2010 20:12

All works, but I can't disable/enable editing with an embedded control for selected cell(s).  
Any way to do it ?

Try to use SetCtrl method of ArrayCtrl. Assign disabled and enabled ctrls to cells.  
Also read about SetFormat and SetConvert methods for checks on valid characters.

Thank you, but it seems to me quite complicated... I must then keep an external array of controls in sync with ArrayCtrl when adding/removing rows.  
It would be better to have this in ArrayCtrl.h :

```
Ctrl &GetEmbeddedCtrl(int i, int j) { return *GetCtrl(i, j).ctrl; }
```

I added it and it works fine, allowing enable/disable of embedded controls :

```
arrayCtrl.GetEmbeddedCtrl(line, col).Disable();  
arrayCtrl.GetEmbeddedCtrl(line, col).Enable();
```

Mirek, would it be possible to have it added to main tree ?

The name is not the best, but GetCtrl() (which would be better...) is already used as a private function.

If not possible, it would be also enough a Enable(i, j)/Disable(i, j) pair, to allow single cell control of editing.

Last possibility.... make GetCtrl() protected, so I can derive from ArrayCtrl, if all above isn't acceptable... Now it's private

Ciao

Max

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Subject: Re: Cells appearance and text alignment  
Posted by [mdelfede](#) on Sat, 13 Feb 2010 20:05:57 GMT  
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Here the final (wanted!) result :

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#### File Attachments

1) [ArrayCtrl.jpg](#), downloaded 596 times

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Subject: Re: Cells appearance and text alignment  
Posted by [Sender Ghost](#) on Sun, 14 Feb 2010 12:59:42 GMT  
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I guess, you need to redesign control flow of your program.  
As example I made simplified version of the program from your screenshot. You can find sources in attachments.

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#### File Attachments

1) [FixedArray.png](#), downloaded 576 times  
2) [FixedArray.zip](#), downloaded 276 times

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Subject: Re: Cells appearance and text alignment  
Posted by [mdelfede](#) on Sun, 14 Feb 2010 17:12:00 GMT  
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Mhhhh... quite interesting solution indeed  
Even if I prefer the embedded ctrl solution, because of better editing (imo...) with a single click on ctrl.

But I like your way... have to think about.

Thanx again, Sender Ghost

Ciao

Max

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Subject: Re: Cells appearance and text alignment  
Posted by [mirek](#) on Tue, 16 Feb 2010 19:56:18 GMT  
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mdelfede wrote on Sat, 13 February 2010 13:11Hi, thanx again

But I forgot to mention 2 stuffs :

1) I'd like to keep previous value in cell, just hide them  
when they shouldn't be selectable

Note: You can combine two "indicies" into single cell (one for value, another bool for 'hide'). Then display this compound value.

Mirek

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