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Subject: ArrayCtrl crashes with "embedded" Ctrl's referenced by Id [SOLVED]

Posted by [fudadmin](#) on Wed, 05 Apr 2006 11:50:39 GMT

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Try this code:

```
#include <CtrlLib/CtrlLib.h>

GUI_APP_MAIN
{
    TopWindow w;
    ArrayCtrl arr;
    EditString editName, editSurName;
    Option editAvail;

    arr.SetRect(50,50,550,350);
    w.Add(arr);

    editName.SetRect(90,10,150,20);
    w.Add(editName);

    editSurName.SetRect(315,10,150,20);
    w.Add(editSurName);

    editAvail.SetRect(550,10,150,20);
    w.Add(editAvail);

    arr.AddColumn("ID","ID",3);
    arr.AddColumn("Name", "Name", 20);
    arr.AddColumn("SurName", "SurName", 20);
    arr.AddColumn("Avail" "Avail?", 3).Ctrls<Option>(); //10

    arr.Add("1","Luigi","Forlano", true);
    arr.Add("2","Diego","Maradona", false);
    arr.Add("3","Paolo","Maldini", false);
    arr.Add("4","Roberto","Carlos", false);
    arr.Add("5","David","Beckham", false);

    editName <<= arr.Get(0,"Name");
    // editName <<= arr.Get(0,"name"); //crash when Id "not in list"!!!
    editSurName <<= arr.Get(0,"SurName");
    // editAvail <<= arr.Get(0,"Avail"); //should work or at least must not crash!!!
    editAvail <<= arr.Get(0,3); //works only this way

    w.Run();
}
```

?bugs?

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Subject: Re: ArrayCtrl crashes with "embedded" Ctrl's referenced by Id

Posted by [mirek](#) on Wed, 05 Apr 2006 11:59:09 GMT

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Well.... before trying to fix that...

fudadmin wrote on Wed, 05 April 2006 07:50 Try this code:

```
#include <CtrlLib/CtrlLib.h>
```

```
arr.AddColumn("ID","ID",3);
arr.AddColumn("Name", "Name", 20);
arr.AddColumn("SurName", "SurName", 20);
arr.AddColumn("Avail" "Avail?", 3).Ctrls<Option>(); //10
```

?bugs?

... where is the comma after "Avail"?

Mirek

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Subject: Re: ArrayCtrl crashes with "embedded" Ctrl's referenced by Id

Posted by [mirek](#) on Wed, 05 Apr 2006 12:03:09 GMT

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Also: This usage of Id is quite ineffective. You should rather define your Id constants and use them:

```
Id AVAIL("avail");
```

```
.....
```

```
Get(i, AVAIL)
```

- that is much faster.

Mirek

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Subject: Re: ArrayCtrl crashes with "embedded" Ctrl's referenced by Id

Posted by [fudadmin](#) on Wed, 05 Apr 2006 12:12:39 GMT

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luzr wrote on Wed, 05 April 2006 12:59Well.... before trying to fix that...

fudadmin wrote on Wed, 05 April 2006 07:50Try this code:

```
#include <CtrlLib/CtrlLib.h>

arr.AddColumn("ID","ID",3);
arr.AddColumn("Name", "Name", 20);
arr.AddColumn("SurName", "SurName", 20);
arr.AddColumn("Avail" "Avail?", 3).Ctrls<Option>(); //10
```

?bugs?

... where is the comma after "Avail"?

Mirek

That means, this one is my bug...

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Subject: Re: ArrayCtrl crashes with "embedded" Ctrls referenced by Id

Posted by [fudadmin](#) on Wed, 05 Apr 2006 12:14:30 GMT

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luzr wrote on Wed, 05 April 2006 13:03Also: This usage of Id is quite ineffective. You should rather define your Id constants and use them:

```
Id AVAIL("avail");
```

.....

```
Get(i, AVAIL)
```

- that is much faster.

Mirek

This is a very nice tip!

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Subject: Re: ArrayCtrl crashes with "embedded" Ctrls referenced by Id

Posted by [fudadmin](#) on Wed, 05 Apr 2006 12:16:02 GMT

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but what about this one?

```
// editName <=<= arr.Get(0,"name"); //crash when Id "not in list"!!!
```

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Subject: Re: ArrayCtrl crashes with "embedded" Ctrl's referenced by Id

Posted by [mirek](#) on Wed, 05 Apr 2006 12:22:09 GMT

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fudadmin wrote on Wed, 05 April 2006 08:16but what about this one?

```
// editName <=<= arr.Get(0,"name"); //crash when Id "not in list"!!!
```

What do you expect?

This should by all means crash! (Well, I hope it fails on ASSERT, does not it?).

Mirek

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Subject: Re: ArrayCtrl crashes with "embedded" Ctrl's referenced by Id

Posted by [fudadmin](#) on Wed, 05 Apr 2006 12:43:01 GMT

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luzr wrote on Wed, 05 April 2006 13:22fudadmin wrote on Wed, 05 April 2006 08:16but what about this one?

```
// editName <=<= arr.Get(0,"name"); //crash when Id "not in list"!!!
```

What do you expect?

This should by all means crash! (Well, I hope it fails on ASSERT, does not it?).

Mirek

And if I want to connect the same ArrayCtrl to different sources and fill columns names and get values dynamically that means I need to my own checking or...?

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Subject: Re: ArrayCtrl crashes with "embedded" Ctrl's referenced by Id

Posted by [mirek](#) on Wed, 05 Apr 2006 12:59:06 GMT

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fudadmin wrote on Wed, 05 April 2006 08:43

And if I want to connect the same ArrayCtrl to different sources and fill columns names and get values dynamically that means I need to my own checking or...?

...or use some of

ArrayCtrl::

```
int    GetIndexCount() const;
Id     GetId(int ii) const;
int    GetPos(Id id) const;
```

Mirek

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