
Subject: How to Xmlize gridctrl

Posted by [idkfa46](#) on Sun, 26 Apr 2015 13:58:20 GMT

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Hi all,

I have some problem trying to xmlize my gridctrl.

here is where i define my gridctrl:

```
BulloniCtrl::BulloniCtrl()
{
    // Carica DropList
    LoadDropList();

    //Geometria
    alfa.SetInc(1).Min(0).Max(90);

    geomGrid.SetToolBar();
    geomGrid.Editing().Accepting().Canceling();
    geomGrid.EvenColor().ColoringMode(2);
    geomGrid.AddColumn(MAT_ID, t_("Materiale"));
    geomGrid.AddColumn(SP_ID, t_("Spessore")).Fixed(60).Edit(sp);
    geomGrid.AddColumn(UM_ID, t_("UM")).Fixed(35);
    geomGrid.AddColumn(CDR_ID, t_("Classe di resistenza")).Fixed(100).Edit(CdRdl);

    geomGrid.WhenChangeRow = THISBACK(Loadcdrdl);
    geomGrid.WhenAcceptedRow = THISBACK(OnGeometriaEdit);
    geomGrid.AddRow("Legno - t1:", "", "mm", "", 90);
    geomGrid.AddRow("Legno - t2:", "", "mm", "", 90);
    GetGridRows(geomGrid);

    //Connettore
    bullonedl <=< THISBACK(OnBulloneEdit);
    CdRAcciaiodl <=< THISBACK(Getfuk);
    fukEdit <=< THISBACK(OnfukEdit);
    Getfuk();

    .....
```

and here how I try to save it:

```
virtual void Xmlize(XmlIO xml)
{
    ConnettoriCtrl::Xmlize(xml);
    xml
        ("Geometria", geomGrid)
        ("Connettore1", bullonedl)
        ("Connettore2", passEdit)
```

```
("Connettore3", AresEdit)
("Connettore4", CdRAcciaiodl)
("Connettore5", fukEdit)
("RopeEffect1", ropeOption)
("RopeEffect2", ArondellaEdit)
;
}
```

There are 2 variables I'm not able to xmlize and they are "sp" and "CdRdl" btw I have no problems with others columns. Someone can try to explain me where I am wrong???

Regards,
Matteo

Subject: Re: How to Xmlize gridctrl
Posted by [Mindtraveller](#) on Sun, 26 Apr 2015 20:34:29 GMT
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Hi Matteo,

I'm not quite sure if I understand what variables are sd and CdRdl. Are they your internal variables, or are they belong to GridCtrl internals? If you try to serialize GridCtrl's internal members, this is definitely bad idea. At least because if author changes GridCtrl internals in some new revisions of U++, then you'll have to modify your sources each time it happens. C++ classes is something about hiding all the internals inside the class. Accessing any internals of any other class is generally a bad practice. Maybe it will be better to discuss what particular task are you trying to solve by serializing these two variables, than trying to access any GridCtrl's internals.

Subject: Re: How to Xmlize gridctrl
Posted by [idkfa46](#) on Mon, 27 Apr 2015 19:51:06 GMT
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I try to clarify my problem. My GridCtrl's have 2 Editable columns that are:

```
geomGrid.AddColumn(SP_ID, t_("Spessore")).Fixed(60).Edit(sp);
geomGrid.AddColumn(CDR_ID, t_("Classe di resistenza")).Fixed(100).Edit(CdRdl);
```

Where sp and CdRdl are:

```
EditDouble sp;
DropList CdRdl;
```

Here is what happen when I try to Xmlize it:

```
<Geometria>
<data>
<item>
<item type="String">Legno - t:</item>
<item type="double" value="200"/>
<item type="String">mm</item>
<item type="WString">GL24h</item>
<item type="double" value="0"/>
</item>
<item>
<item type="String">Acciaio - s:</item>
<item type="double" value="10"/>
<item type="String">mm</item>
<item type="WString">S235</item>
<item type="double" value="90"/>
</item>
</data>
</Geometria>
```

Where `<item type="double" value="200"/>` and `<item type="WString">GL24h</item>` are the right stored values of "sp" and "CdRdl".

Where I try to load this xml my GridCtrl is correctly loaded but "sp" and "CdRdl" are missing...

There is something more to do when I try to store/load columns with Editable values in GridCtrl or maybe the problem is not there?!

Regards,
Matteo

Subject: Re: How to Xmlize gridctrl
Posted by [koldo](#) on Tue, 28 Apr 2015 05:05:53 GMT
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Hello idkfa46

AFAIK GridCtrl can Xmlize itself but cannot Xmlize editable fields. In fact if you try to Xmlize the editable fields you just save their values, but in any way an editable field represent a GridCtrl column.

In summary, you would have to Xmlize all GridCtrl. To store just a column you would have to extract it by hand and store it like for example a Vector<Value>, and load it and write it over a GridCtrl.

In addition please remember that when you Xmlize a Gridctrl, before load it you have to add all columns (AddColumn()) before.

Subject: Re: How to Xmlize gridctrl

Posted by [idkfa46](#) on Wed, 29 Apr 2015 19:35:53 GMT

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Hi all,

thanks for your helps. I tried to Xmlize a editable fields storing them in a Vector<Value> .

It works but I have an issue loading my xml. I can add them in a new row but I'm not able to edit an existent one.

here is my code (where geomGrid is my GridCtrl):

```
virtual void Xmlize(XmlIO xml)
{
    Vector<Vector<Value> > grid;
    if(xml.IsStoring()){
        for(int r=0; r<geomGrid.GetCount(); r++){
            Vector<Value> row;
            for(int c=0; c<geomGrid.GetColumnCount(); c++){
                row << geomGrid.Get(r,c);
            }
            grid.Add(row);
        }
    }
}
```

```
ConnettoriCtrl::Xmlize(xml);
xml
//("Geometria", geomGrid)
("Geometria", grid)
("Connettore1", bullonedl)
("Connettore2", passEdit)
("Connettore3", AresEdit)
("Connettore4", CdRAcciaiodl)
("Connettore5", fukEdit)
("RopeEffect1", ropeOption)
("RopeEffect2", ArondellaEdit)
;
```

```
if(xml.IsLoading()){
    for(int r=0; r<grid.GetCount(); r++){
        geomGrid.Add(grid[r]);
    }
}
}
```

it works with `geomGrid.Add(grid[r])` but there is no way to edit the existing rows with

```
...
if(xml.IsLoading()){
    for(int r=0; r<grid.GetCount(); r++){
        geomGrid.Set(r, grid[r]);
    }
}
...
```

Where am I wrong again?

Regards,
Matteo

Subject: Re: How to Xmlize gridctrl
Posted by [koldo](#) on Thu, 30 Apr 2015 06:34:16 GMT
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Hello

I am not sure that works.

Have you tried this?:

```
if(xml.IsLoading()){
    for(int r=0; r<grid.GetCount(); r++)
        for(int c=0; c<grid.GetColumnCount(); c++)
            geomGrid.Set(r, c, grid[r][c]);
}
```
