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Subject: Re: Help needed with Convert class  
Posted by [BioBytes](#) on Fri, 13 Sep 2013 20:50:50 GMT  
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Perhaps you could consider to upgrade your Upp system to the most recent file ? and see if the same error still appears.

I tried the following code without any assert errors using MSC 9 or MSC 10 compilers : Sorry I do not use MingW.

Main file

```
#include "EsConvert.h"

void EsConvertMainWin::fillGrid()
{
    for(int i=0;i<5;++i)aGridCtrl.Add(i+1,Date(2013,9,13)+i,Time(12,12,10)+i);
}

void EsConvertMainWin::close()
{
    Close();
}

EsConvertMainWin::EsConvertMainWin()
{
    CtrlLayout(*this, "Convert study");
    SetRect(0,0,800,600);
    CenterScreen();

    aGridCtrl.AddColumn("Date",100,false).AlignCenter().SetConvert(Single<MyDataDateConvert>())
;
    aGridCtrl.AddColumn("Time",100,false).AlignCenter().SetConvert(Single<MyDataTimeConvert>()
);

    fillBtn<<=THISBACK(fillGrid);
    closeBtn<<=THISBACK(close);
}

GUI_APP_MAIN
{
    SetLNGCharset(GetSystemLNG(),CHARSET_UTF8);
    EsConvertMainWin().Run();
}
```

## Header file

```
#ifndef _EsConvert_EsConvert_h
#define _EsConvert_EsConvert_h

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

using namespace Upp;

#define LAYOUTFILE <EsConvert/EsConvert.lay>
#include <CtrlCore/lay.h>

struct MyDataDateConvert : Convert
{
    Value Format(const Value& q) const
    {
        const Date& d = q;
        return !d.IsValid() ? String() : ::Format("%1:02d-%2:02d-%3:02d", d.day, d.month, d.year);
    }
};

struct MyDataTimeConvert : Convert
{
    Value Format(const Value& q) const
    {
        const Time& d = q;
        return !d.IsValid() ? String() : ::Format("%1:02d-%2:02d-%3:02d", d.hour, d.minute, d.second);
    }
};

class EsConvertMainWin : public WithEsConvertMainWinLayout<TopWindow> {
public:
    typedef EsConvertMainWin CLASSNAME;

    void fillGrid();
    void close();

    EsConvertMainWin();

};

#endif
```

Regards

