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Subject: DBF crash error while writing record  
Posted by [forlano](#) on Thu, 23 Oct 2014 17:25:42 GMT  
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Hello,

I know that DBF format is no longer popular. Unfortunately I had to deal with it and get rid a very old Xbase library.

I created a very simple application that convert a text file in a dbf file. It links and run, but crash while tempting to write.

The DBF db is created reading the info contained in the txt file that look like this:

```
8
D_EVENT_ID  C  9
D_SEC_NUM   C  2
D_PAIR_NUM  C  4
D_REC_SEQ   C  1
D_MEM_ID    C  8
D_RND01     C  5
D_RND02     C  5
D_RND03     C  5
023434001 1 1 1 156756756 W 4 L 2 W 6
023434001 1 2 1 456456456 W 5 W 1 L 3
023434001 1 3 1 567567567 D 6 W 4 W 2
023434001 1 4 1 324234234 L 1 L 3 W 5
023434001 1 5 1 234234234 L 2 D 6 L 4
023434001 1 6 1 123123455 D 3 D 5 L 1
```

That is I read the number of fields, how they are made and then the records (fields separated by '\t').

A test case is attached with the txt files to be converted. Here is the simple program so that you can preview it:

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

using namespace Upp;
void ConvertDB(String fn);

GUI_APP_MAIN
{
    ConvertDB("thexport");
    ConvertDB("tsexport");
    ConvertDB("tdexport");
}

void ConvertDB(String fn)
```

```

{
    String infile = fn + ".txt";
    String outfile = fn + ".dbf";
    FileIn in;
    in.Open(infile);
    if (in.IsError()) {
        Exclamation("Error reading the file " + infile);
        exit(0);
    }

    int numFields = StrInt(in.GetLine()); // read numebr of fields
    int i;
    Array<DbfStream::Field> fields;
    for (i=0; i<numFields; i++)
        { // legge le specifiche dei campi
            Vector<String> f = Split(in.GetLine()," ");
            //Exclamation(f[0]+"-"+f[1]+"-"+f[2]);
            if ( f[1]=="C") fields << DbfStream::Field::Text(f[0], StrInt(f[2]) );
            else if ( f[1]=="N") fields << DbfStream::Field::Number(f[0], StrInt(f[2]), 0);
            else if ( f[1]=="D") fields << DbfStream::Field::Date(f[0]);
            else Exclamation("error");
        }

    DbfStream output; //create DB
    bool isOpened = output.Create(outfile, fields, CHARSET_CP852);
    if(!isOpened)
    {
        PromptOK("Error creating file [* \1" + outfile + "\1].");
        exit(1);
    }

    while (in.IsOK()) //continue to read the txt file and write the dbf
    {
        Vector<Value> values;
        Vector<String> f = Split( in.GetLine(), "\t", false);
        if (f.GetCount()<=1) break;

        for (int k=0; k<f.GetCount(); k++) values.Add(f[k]);
        output.WriteRow(values); // <----- ??? crash program
    }

    output.Close();
    in.Close();
}

```

Thanks,  
Luigi

## File Attachments

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1) [DBF.rar](#), downloaded 370 times

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