Subject: how to read a dbf
Posted by forlano on Sat, 17 Feb 2007 23:32:08 GMT
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Hello,

I need to read the content of a DBF file.
Is there a code snippet that shows how to get a given row of a DBF file?
The class DbfStream I'm sure can do this silly task easily but I do not know how to use it

Thank you,
Luigi

Subject: Re: how to read a dbf
Posted by mirek on Sun, 18 Feb 2007 10:05:17 GMT
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forlano wrote on Sat, 17 February 2007 18:32Hello,

I need to read the content of a DBF file.
Is there a code snippet that shows how to get a given row of a DBF file?
The class DbfStream I'm sure can do this silly task easily but I do not know how to use it

Thank you,
Luigi

Here is copy&paste of routine that imports .dbf data into Oracle in one of my apps. I hope it helps:

```
void Eb::Import()
{
...........
 FileSel fs;
#ifdef _DEBUG
 fs.AllFilesType();
 fs.ActiveDir("F:\\DATA");
#endif
 if(!fs.ExecuteSelectDir())
  return;
 DbfStream dbf;

 if(!dbf.Open(AppendFileName(~fs, "EI_ZAKL.DBF"))) {

  return;
 }

.........
```

```
 Progress pi("Importuji %d");
 pi.SetTotal(dbf.GetRowCount());
 Index<String> nf;
 while(dbf.Fetch()) {
  if(pi.StepCanceled()) return;
  String text;
  int osoba_seq = DoOsoba(dbf["RC"], dbf["JMENO"], dbf["PRIJMENI"], dbf["ROD_PRIJM"],
                          dbf["ULICE"], dbf["POPCIS"], dbf["OBEC"], dbf["MESTO"],
                          dbf["PSC"]);
  if(!IsNull(osoba_seq)) {
   int zastupce_seq = Null;
   if(!IsNull(dbf["ZASTPRIJM"])) {
    zastupce_seq = DoOsoba(dbf["ZAST_RC"], dbf["ZASTJMEN"], dbf["ZASTPRIJM"],
                           dbf["ZASTROD_PR"], dbf["ZASTULICE"],
                           dbf["ZASTPOPCIS"], dbf["ZASTOBEC"], dbf["ZASTMESTO"],
                           dbf["ZASTPSC"]);
    if(IsNull(zastupce_seq))

         << dbf["ZAST_RC"] << ", "
         << dbf["ZASTJMEN"] << " " << dbf["ZASTPRIJM"] << ", "
         << "roz. " << dbf["ZASTROD_PR"] << ", " << dbf["ZASTULICE"]
         << dbf["ZASTPOPCIS"] << ", " << dbf["ZASTOBEC"]
         << " " << dbf["ZASTMESTO"];
   }
   String t = dbf["POSPR_TYP"];
   int stupen = t == "TP" ? 1 : t == "ZTP" ? 2 : t == "ZTP/P" ? 3 : 0;
   String cz = dbf["CISVOZIK"];
   SQL * Insert(SOCI_INVALIDA)
     (SOCI_INVALIDA_SEQ, ++SeqSoci)
     (OSOBA_SEQ, osoba_seq)
     (COP, dbf["OBCPRUK"])
     (DATZAD, dbf["DATZADOST"])
     (ZASTUPCE_OSOBA_SEQ, zastupce_seq)
     (ZASTUPCE_COP, dbf["ZASTPRUK"])
     (DATUM, dbf["DATPRUKOD"])
     (DATUM_DO, dbf["DATPRUKDO"])
     (CISLO, dbf["POSPR_CIS"])
     (STUPEN, stupen)
     (ZNACENI, cz)
     (DRUH, toupper(cz[0]) == 'A' ? 1 : 2)
     (TELEFON, dbf["TELEF"])
     (TEXT, text)
   ;
...........
```

Subject: Re: how to read a dbf
Posted by forlano on Sun, 18 Feb 2007 12:09:05 GMT
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Thanks, it is very useful.
Unfortunately I am not able even to open the file. This simple app:

```
#include <Core/Core.h>
#include <TCore/dbf.h>

using namespace Upp;

CONSOLE_APP_MAIN
{   DbfStream dbf;
    if(!dbf.Open("C:\\upp\\out\\MSC8\\club.dbf", false) ) {
  return;
 }
    //... to do something
    dbf.Close();
}
```

crash with error:

Perhaps some mismatch with the internal format of the file I'm trying to read (but I can open it with Excel).
Luigi

File Attachments

1) pic2.jpg, downloaded 859 times

Subject: Re: how to read a dbf
Posted by mirek on Sun, 18 Feb 2007 18:21:40 GMT
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Try stack backtrace (latest ide is even able to copy it yo clipboard).

Alternatively, if possible (and not too long), post .dbf and package.

Subject: Re: how to read a dbf
Posted by forlano on Sun, 18 Feb 2007 18:50:11 GMT
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luzr wrote on Sun, 18 February 2007 19:21Try stack backtrace (latest ide is even able to copy it yo clipboard).

Alternatively, if possible (and not too long), post .dbf and package.

The dbf file is in the folder package. The package consist of a few code line.
Thanks a lot,

Luigi

PS: this afternoon I tried another library called Shapefil and I was able to read the file, so I would exclude a corrupted file.

File Attachments

1) readdbf.rar, downloaded 376 times

Subject: Re: how to read a dbf
Posted by mirek on Tue, 20 Feb 2007 07:38:47 GMT
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A bug in DbfStream related to encoding - unable to cope with UTF8.

Non-perfect quick fix (line 228):

```
void DbfStream::SetCharset(byte cs)
{
 charset = cs;
 byte dest = GetDefaultCharset();
 if(dest == CHARSET_UTF8)
  dest = CHARSET_WIN1252;
 codepage_cv = false;
 for(int i = 0; i < 256; i++) {
  codepage_uni[i] = ToUnicode(i, charset);
  codepage_map[i] = FromUnicode(codepage_uni[i], dest);
  codepage_rev[i] = FromUnicode(ToUnicode(i, dest), charset);
  if(codepage_map[i] != i)
   codepage_cv = true;
 }
}
```

Mirek

Subject: Re: how to read a dbf
Posted by Sbleck on Mon, 23 Apr 2007 19:15:16 GMT
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Hi,

Quote:
A bug in DbfStream related to encoding - unable to cope with UTF8.

Non-perfect quick fix (line 228):

```
void DbfStream::SetCharset(byte cs)
{
 charset = cs;
 byte dest = GetDefaultCharset();
 if(dest == CHARSET_UTF8)
  dest = CHARSET_WIN1252;
 codepage_cv = false;
 for(int i = 0; i < 256; i++) {
  codepage_uni[i] = ToUnicode(i, charset);
  codepage_map[i] = FromUnicode(codepage_uni[i], dest);
  codepage_rev[i] = FromUnicode(ToUnicode(i, dest), charset);
  if(codepage_map[i] != i)
   codepage_cv = true;
 }
}
```

Mirek

How could I use this advice, to check if I'm having the same problem ?

Sven

Subject: Re: how to read a dbf
Posted by mirek on Tue, 24 Apr 2007 12:00:08 GMT
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Most likely not, this patch is in 2007.1.

Mirek