Subject: Re: Is there a Zip/UnZip example?
Posted by dolik.rce on Sun, 23 Sep 2012 07:34:10 GMT
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CppMod wrote on Sun, 23 September 2012 03:14I found the zip.h file, but I was looking for a complete example program that does zip and/or unzip. The threads in this forum are rather old, and have some broken links.

Anyone have some zip/unzip code they are willing to share?
Hi Howard,

In plugin/zip package are some handy classes for zip format. It can be used like this:
#include <plugin/zip/zip.h>
using namespace Upp;

CONSOLE_APP_MAIN{
 // Compression
 FileZip zip("/tmp/test.zip");
 const char* somedata="some data";
 String otherdata="other data";
 zip.WriteFolder("test", GetSysTime());
 zip.WriteFile(somedata, strlen(somedata), "somedata.txt");
 zip.WriteFile(otherdata, "test/otherdata.txt");
 if(zip.Finish())
  Cout() << "Zip created succesfully\n";

 // Decompression
 FileUnZip unzip("/tmp/test.zip");
 while (!(unzip.IsEof() || unzip.IsError())) {
  Cout() << "Path:" << unzip.GetPath() << "\n";
  Cout() << " Time:" << unzip.GetTime() << "\n";
  if(!unzip.IsFolder()){
   Cout() << " Size:" << unzip.GetLength() << "\n";
   Cout() << " Content:" << unzip.ReadFile() << "\n";
  } else
   unzip.SkipFile();
 }
}

Aside from FileZip and FileUnZip there are also in-memory variants StringZip, StringUnZip and MemUnZip that don't read/write files from disk. Their usage is very similar.

Best regards,
Honza