
Subject: Is there a Zip/UnZip example?

Posted by [CppMod](#) on Sun, 23 Sep 2012 01:14:24 GMT

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I 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?

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 03:14 I 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

Subject: Re: Is there a Zip/UnZip example?
Posted by [mirek](#) on Wed, 26 Sep 2012 19:20:33 GMT
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Example adopted to reference.

Mirek

Subject: Re: Is there a Zip/UnZip example?
Posted by [Mindtraveller](#) on Tue, 13 Nov 2012 18:46:21 GMT
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BTW, is there a possibility to make streaming unzip with FileZip or any other class? If original file is 1GB large, it is very memory consumable to unzip the whole file into memory.

Subject: Re: Is there a Zip/UnZip example?
Posted by [mirek](#) on Wed, 14 Nov 2012 06:47:40 GMT
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```
bool  UnZip::ReadFile(Stream& out, Gate2<int, int> progress = false);
```

It is true that we now have more "modern" interface style for this (see Zlib class), but Stream& out should work as well...

Mirek
