
Subject: Re: How to Zip cross-platform from IDL?
Posted by [Heinz Stege](#) on Fri, 22 Feb 2013 17:11:56 GMT
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Hi Brian.

On Fri, 22 Feb 2013 05:40:16 -0800 (PST), Brian J. Daniel wrote:

> I have an extensive IDL/ENVI program that writes a KML file output. The code writes image chips to files, points the KML to those files, creates info-balloons with all sorts of diagnostic information for each chip. This all works well. However, when I distribute the results, the KML and all the supporting images need to go with it. This is cumbersome, but solvable! I just need to ZIP it up into a KMZ file.

>

> The catch: I need to be able to do this on Mac, Win and Linux. Linux and Mac can utilize the gzip functionality through the SPAWN command, but on Windows... I'm stumped. I can't assume I can install 7zip or WinZip and call those independently. Is there a way IDL can do this natively, or am I at the mercy of Windows standard calls?

>

> Thanks for your comments.

>

> -B

I think there should be a solution. First let me say, that the Windows version of 7-Zip comes together with a command line version: 7z.exe. The help file says, that it uses the same dll as the 7-Zip File Manager itself. So it should do the job.

Alternatively you can try the (good old) "GNU utilities for Win32". Download UnxUtils.zip from <http://sourceforge.net/projects/unxutils/files/>. There is gzip and gunzip support for Windows 32.

And last but not least there are the `idl_tools` from Randall Frank and Ronn Kling. They make system routines for gzip, gunzip, zip and more directly available to IDL by a `dln` file. I just tested the socket routines from this library. They work great. You can download the `dln` and `dll` files for windows from www.exelisvis.com. The authors say, that the routines run on both, Windows and Unix. However I can not say, where to find the sources for Unix. In Feb. 2010 they were available from <http://www.kilvarock.com/p1.htm>. This site however, today contains advertisements only. (Maybe, www.archive.org can help you.)

HTH, Heinz
