Subject: Windows/Linux reading binary data - sign problem
Posted by russell.grew on Wed, 09 Jan 2008 03:57:16 GMT

Hello,

Interesting scenario here. I have some code (not written by myself)
that reads a bunch of data series from a binary file.

Most of the data series contain positive floating point numbers. One
of them contains negative numbers. On windows, this works fine. On
linux, whenever the negative numbers should appear, the values have
reverted to -2147.48. The series with only positive numbers reads fine
on both machines.

There is some manipulation to produce the data series.

Both machines are little endian, checked with
http://www.dfanning.com/tips/endian_machines.html,
using IDL6.3 in both cases. Linux is 64bit gentoo, windows is a 64bit
processor running 32 bit windows.

Ideas? Perhaps there is some obvious difference between platforms that
I am unaware of?

Thanks.

Russell.