NAME

nad2bin – convert nad ASCII files into binary format usable by nad2nad

DESCRIPTION

This command is undocumented upstream. This very rough documentation was quickly assembled by your friendly Debian maintainer (who doesn't use this command, and so is not the best person to document it!).

The **proj** package includes the *nad2nad* binary, the North American Datum conversion filter used to convert data between North America Datum 1927 (NAD27) and North American Datum 1983, and *cs2cs* a binary that performs transformation between the source and destination cartographic coordinate system on a set of input points. The coordinate system transformation can include translation between projected and geographic coordinates as well as the application of datum shifts.

See the *nad2nad(1)* and *cs2cs(1)* man pages for more information.

nad2nad and **cs2cs** need arch-dependent conversion data files in a library directory, */usr/share/proj/* Those files are included in the proj Debian package since 4.6.1-5. To produce/update them yourself, get the *.lla files from

http://download.osgeo.org/proj/proj-datumgrid-1.5.zip

and then run **nad2bin** to produce the binary files used by **nad2nad** and **cs2cs** like so:

 # nad2bin < conus.lla /usr/share/proj/conus

Test nad2nad with the following example:

$ nad2nad -i 83 -o 27 -r conus << EOF

71d14'58.27"W   44d20'15.227"N

EOF

It should produce:

71d15'W 44d20'15"N

SEE ALSO

nad2nad(1), cs2cs(1)

AUTHOR

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