

**NAME**

idn2 - Libidn2 Internationalized Domain Names conversion tool

**SYNOPSIS**

**idn2** [*OPTION*]... [*STRINGS*]...

**DESCRIPTION**

The idn2 tool converts DNS domains from UTF-8 to ASCII compatible encoding (ACE) form, as used in the DNS protocol. The encoding format is the Internationalized Domain Name (IDNA2008/TR46) format.

Internationalized Domain Name (IDNA2008) convert STRINGS, or standard input.

Command line interface to the Libidn2 implementation of IDNA2008.

All strings are expected to be encoded in the locale charset.

To process a string that starts with '-', for example '-foo', use '--' to signal the end of parameters, as in 'idn2 --quiet -- -foo'.

Mandatory arguments to long options are mandatory for short options too.

**-h, --help**

Print help and exit

**-V, --version**

Print version and exit

**-d, --decode**

Decode (punycode) domain name

**-l, --lookup**

Lookup domain name (default)

**-r, --register**

Register label

**-T, --tr46t**

Enable TR46 transitional processing

**-N, --tr46nt**

Enable TR46 non-transitional processing

**--no-tr46**

Disable TR46 processing

**--usestd3asciirules**

Enable STD3 ASCII rules

**--no-alabelroundtrip**

Disable A-label roundtrip for lookups

**--debug**

Print debugging information

**--quiet**

Silent operation

**AUTHOR**

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**REPORTING BUGS**

Report bugs to: [help-libidn@gnu.org](mailto:help-libidn@gnu.org)

Libidn2 home page: [<https://www.gnu.org/software/libidn/#libidn2>](https://www.gnu.org/software/libidn/#libidn2)

General help using GNU software: [<https://www.gnu.org/gethelp/>](https://www.gnu.org/gethelp/)

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**SEE ALSO**

[idn\(1\)](#)

The full documentation for **idn2** is maintained as a Texinfo manual. If the **info** and **idn2** programs are properly installed at your site, the command

**info idn2**

should give you access to the complete manual.