

NAME

ldconfig – configure dynamic linker run-time bindings

SYNOPSIS

```
/sbin/ldconfig [ -nNvXV ] [ -f conf ] [ -C cache ] [ -r root ] directory ...
/sbin/ldconfig -I [ -v ] library ...
/sbin/ldconfig -p
```

DESCRIPTION

ldconfig creates the necessary links and cache to the most recent shared libraries found in the directories specified on the command line, in the file */etc/ld.so.conf*, and in the trusted directories (*/lib* and */usr/lib*). The cache is used by the run-time linker, *ld.so* or *ld-linux.so*. **ldconfig** checks the header and filenames of the libraries it encounters when determining which versions should have their links updated.

ldconfig will attempt to deduce the type of ELF libs (i.e., *libc5* or *libc6/glibc*) based on what C libs, if any, the library was linked against.

Some existing libs do not contain enough information to allow the deduction of their type. Therefore, the */etc/ld.so.conf* file format allows the specification of an expected type. This is used *only* for those ELF libs which we can not work out. The format is "dirname=TYPE", where TYPE can be *libc4*, *libc5*, or *libc6*. (This syntax also works on the command line.) Spaces are *not* allowed. Also see the **-p** option. **ldconfig** should normally be run by the superuser as it may require write permission on some root owned directories and files.

OPTIONS

- v** Verbose mode. Print current version number, the name of each directory as it is scanned, and any links that are created. Overrides quiet mode.
- n** Only process directories specified on the command line. Don't process the trusted directories (*/lib* and */usr/lib*) nor those specified in */etc/ld.so.conf*. Implies **-N**.
- N** Don't rebuild the cache. Unless **-X** is also specified, links are still updated.
- X** Don't update links. Unless **-N** is also specified, the cache is still rebuilt.
- f conf** Use **conf** instead of */etc/ld.so.conf*.
- C cache**
Use **cache** instead of */etc/ld.so.cache*.
- r root** Change to and use *root* as the root directory.
- I** Library mode. Manually link individual libraries. Intended for use by experts only.
- p** Print the lists of directories and candidate libraries stored in the current cache.

FILES

<i>/lib/ld.so</i>	run-time linker/loader
<i>/etc/ld.so.conf</i>	File containing a list of colon, space, tab, newline, or comma-separated directories in which to search for libraries.
<i>/etc/ld.so.cache</i>	File containing an ordered list of libraries found in the directories specified in <i>/etc/ld.so.conf</i> , as well as those found in <i>/lib</i> and <i>/usr/lib</i> .

SEE ALSO

ldd(1), **ld.so(8)**

COLOPHON

This page is part of release 3.53 of the Linux *man-pages* project. A description of the project, and information about reporting bugs, can be found at <http://www.kernel.org/doc/man-pages/>.