



Linux Ubuntu 26.04 Manual Pages on command 'catopen.3'

\$ man catopen.3

catopen(3) Library Functions Manual catopen(3)

NAME

catopen, catclose - open/close a message catalog

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

```
#include <nl_types.h>

nl_catd catopen(const char *name, int flag);

int catclose(nl_catd catalog);
```

DESCRIPTION

The function `catopen()` opens a message catalog and returns a catalog descriptor. The descriptor remains valid until `catclose()` or `execve(2)`. If a file descriptor is used to implement catalog descriptors, then the `FD_CLOEXEC` flag will be set.

The argument `name` specifies the name of the message catalog to be opened. If `name` specifies an absolute path (i.e., contains a '/'), then `name` specifies a pathname for the message catalog. Otherwise, the environment variable `NLSPATH` is used with `name` substituted for `%N` (see `locale(7)`). It is unspecified whether `NLSPATH` will be used when the process has root privileges. If `NLSPATH` does not exist in the environment, or if a message catalog cannot be opened in any of the paths specified by it, then an implementation defined path is used.

This latter default path may depend on the `LC_MESSAGES` locale setting when the flag argument is `NL_CAT_LOCALE` and on the `LANG` environment variable when the flag argument is 0. Changing the `LC_MESSAGES` part of the locale may invalidate open catalog descriptors.

The flag argument to `catopen()` is used to indicate the source for the language to use. If

Otherwise, it will use the LANG environment variable.

RETURN VALUE

The function `catclose()` returns 0 on success, or -1 on failure.

ENVIRONMENT

May be the source of the LC_MESSAGES locale setting, and thus determine the language to use if flag is set to NL_CAT_LOCALE.

ATTRIBUTES

[illegible][illegible][illegible][illegible]

VERSIONS

STANDARDS

HISTORY

SEE ALSO

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