



Red Hat Enterprise Linux Release 9.2 Manual Pages on 'catclose.3' command

\$ man catclose.3

CATOPEN(3) Linux Programmer's Manual CATOPEN(3)

NAME

catopen, catclose - open/close a message catalog

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 lo?

cale may invalidate open catalog descriptors.

The `flag` argument to `catopen()` is used to indicate the source for the language to use. If it is set to `NL_CAT_LOCALE`, then it will use the current locale setting for `LC_MESSAGES`. Otherwise, it will use the `LANG` environment variable.

The function `catclose()` closes the message catalog identified by `cata?log`. It invalidates any subsequent references to the message catalog defined by `catalog`.

RETURN VALUE

The function `catopen()` returns a message catalog descriptor of type `nl_catd` on success. On failure, it returns `(nl_catd) -1` and sets `errno` to indicate the error. The possible error values include all possible values for the `open(2)` call.

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

ENVIRONMENT

LC_MESSAGES

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`.

`LANG` The language to use if `flag` is 0.

ATTRIBUTES

For an explanation of the terms used in this section, see [attributes\(7\)](#).

??

?Interface ? Attribute ? Value ?

??

?catopen() ? Thread safety ? MT-Safe env ?

??

?catclose() ? Thread safety ? MT-Safe ?

??

CONFORMING TO

POSIX.1-2001, POSIX.1-2008.

NOTES

The above is the POSIX.1 description. The glibc value for `NL_CAT_LO?`

CALE is 1. The default path varies, but usually looks at a number of places below /usr/share/locale.

SEE ALSO

catgets(3), setlocale(3)

COLOPHON

This page is part of release 5.10 of the Linux man-pages project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.

GNU

2015-08-08

CATOPEN(3)