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## **Red Hat Enterprise Linux Release 9.2 Manual Pages on 'catopen.3' command**

### **\$ man catopen.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 catalog. 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).

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?Interface ? Attribute ? Value ?

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

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

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#### 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

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