

## NAME

getdomainname, setdomainname – get/set domain name

## SYNOPSIS

```
#include <unistd.h>
```

```
int getdomainname(char *name, size_t len);
int setdomainname(const char *name, size_t len);
```

Feature Test Macro Requirements for glibc (see **feature\_test\_macros(7)**):

```
getdomainname(), setdomainname(): _BSD_SOURCE || (_XOPEN_SOURCE &&
_XOPEN_SOURCE < 500)
```

## DESCRIPTION

These functions are used to access or to change the domain name of the current processor.

**setdomainname()** sets the domain name to the value given in the character array *name*. The *len* argument specifies the number of bytes in *name*. (Thus, *name* does not require a terminating null byte.)

**getdomainname()** returns the null-terminated domain name in the character array *name*, which has a length of *len* bytes. If the null-terminated domain name requires more than *len* bytes, **getdomainname()** returns the first *len* bytes (glibc) or gives an error (libc).

## RETURN VALUE

On success, zero is returned. On error,  $-1$  is returned, and *errno* is set appropriately.

## ERRORS

**setdomainname()** can fail with the following errors:

### EFAULT

*name* pointed outside of user address space.

### EINVAL

*len* was negative or too large.

### EPERM

the caller is unprivileged (Linux: does not have the **CAP\_SYS\_ADMIN** capability).

**getdomainname()** can fail with the following errors:

### EINVAL

For **getdomainname()** under libc: *name* is NULL or *name* is longer than *len* bytes.

## CONFORMING TO

POSIX does not specify these calls.

## NOTES

Since Linux 1.0, the limit on the length of a domain name, including the terminating null byte, is 64 bytes. In older kernels, it was 8 bytes.

On most Linux architectures (including x86), there is no **getdomainname()** system call; instead, glibc implements **getdomainname()** as a library function that returns a copy of the *domainname* field returned from a call to **uname(2)**.

## SEE ALSO

**gethostname(2)**, **sethostname(2)**, **uname(2)**

## COLOPHON

This page is part of release 3.22 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/>.