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Linux Ubuntu 26.04 Manual Pages on command 'getdomainname.2'

\$ man getdomainname.2

getdomainname(2) System Calls Manual getdomainname(2)

NAME

getdomainname, setdomainname - get/set NIS domain name

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

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

```
int getdomainname(size_t size;
```

```
    char name[size], size_t size);
```

```
int setdomainname(size_t size;
```

```
    const char name[size], size_t size);
```

Feature Test Macro Requirements for glibc (see feature_test_macros(7)):

getdomainname(), setdomainname():

Since glibc 2.21:

```
_DEFAULT_SOURCE
```

In glibc 2.19 and 2.20:

```
_DEFAULT_SOURCE || (_XOPEN_SOURCE && _XOPEN_SOURCE < 500)
```

Up to and including glibc 2.19:

```
_BSD_SOURCE || (_XOPEN_SOURCE && _XOPEN_SOURCE < 500)
```

DESCRIPTION

These functions are used to access or to change the NIS domain name of the host system.

More precisely, they operate on the NIS domain name associated with the calling process's

UTS namespace.

`setdomainname()` sets the domain name to the value given in the character array `name`. The `size` 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 size of `size` 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 to indicate the error.

ERRORS

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

`EFAULT` `name` pointed outside of user address space.

`EINVAL` `size` was negative or too large.

`EPERM` The caller did not have the `CAP_SYS_ADMIN` capability in the user namespace associated with its UTS namespace (see `namespaces(7)`).

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

`EINVAL` For `getdomainname()` under libc: `name` is NULL or `name` is equal or longer than `size` bytes.

VERSIONS

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)`.

STANDARDS

None.

HISTORY

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

SEE ALSO

`gethostname(2)`, `sethostname(2)`, `uname(2)`, `uts_namespaces(7)`