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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'create_module.2' command

\$ man create_module.2

CREATE_MODULE(2) Linux Programmer's Manual CREATE_MODULE(2)

NAME

create_module - create a loadable module entry

SYNOPSIS

```
#include <linux/module.h>
```

```
caddr_t create_module(const char *name, size_t size);
```

Note: No declaration of this system call is provided in glibc headers;

see NOTES.

DESCRIPTION

Note: This system call is present only in kernels before Linux 2.6.

create_module() attempts to create a loadable module entry and reserve the kernel memory that will be needed to hold the module. This system call requires privilege.

RETURN VALUE

On success, returns the kernel address at which the module will reside.

On error, -1 is returned and errno is set appropriately.

ERRORS

EEXIST A module by that name already exists.

EFAULT name is outside the program's accessible address space.

EINVAL The requested size is too small even for the module header in formation.

ENOMEM The kernel could not allocate a contiguous block of memory large enough for the module.

ENOSYS create_module() is not supported in this version of the kernel
(e.g., the kernel is version 2.6 or later).

EPERM The caller was not privileged (did not have the CAP_SYS_MODULE
capability).

VERSIONS

This system call is present on Linux only up until kernel 2.4; it was
removed in Linux 2.6.

CONFORMING TO

create_module() is Linux-specific.

NOTES

This obsolete system call is not supported by glibc. No declaration is
provided in glibc headers, but, through a quirk of history, glibc ver?
sions before 2.23 did export an ABI for this system call. Therefore,
in order to employ this system call, it was sufficient to manually de?
clare the interface in your code; alternatively, you could invoke the
system call using syscall(2).

SEE ALSO

delete_module(2), init_module(2), query_module(2)

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/>.

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