Rocky Enterprise Linux 9.2 Manual Pages on command 'vm86old.2'

$ man vm86old.2

VM86(2)   Linux Programmer's Manual   VM86(2)

NAME

    vm86old, vm86 - enter virtual 8086 mode

SYNOPSIS

    #include <sys/vm86.h>

    int vm86old(struct vm86_struct *info);

    int vm86(unsigned long fn, struct vm86plus_struct *v86);

DESCRIPTION

    The system call vm86() was introduced in Linux 0.97p2. In Linux 2.1.15 and 2.0.28, it was

    renamed to vm86old(), and a new vm86() was introduced. The definition of struct

    vm86_struct was changed in 1.1.8 and 1.1.9.

    These calls cause the process to enter VM86 mode (virtual-8086 in Intel literature), and

    are used by dosemu.

    VM86 mode is an emulation of real mode within a protected mode task.

RETURN VALUE

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

ERRORS

    EFAULT This return value is specific to i386 and indicates a problem with getting user-

        space data.

    ENOSYS This return value indicates the call is not implemented on the present architec?

        ture.

    EPERM Saved kernel stack exists. (This is a kernel sanity check; the saved stack should

        exist only within vm86 mode itself.)

CONFORMING TO

This call is specific to Linux on 32-bit Intel processors, and should not be used in pro‐

grams intended to be portable.

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/.