

## NAME

bdflush - start, flush, or tune buffer-dirty-flush daemon

## SYNOPSIS

```
#include <sys/kdaemon.h>
```

```
int bdflush(int func, long *address);
```

```
int bdflush(int func, long data);
```

## DESCRIPTION

*Note:* Since Linux 2.6, this system call is deprecated and does nothing. It is likely to disappear altogether in a future kernel release. Nowadays, the task performed by **bdflush()** is handled by the kernel *pdflush* thread.

**bdflush()** starts, flushes, or tunes the buffer-dirty-flush daemon. Only a privileged process (one with the **CAP\_SYS\_ADMIN** capability) may call **bdflush()**.

If *func* is negative or 0, and no daemon has been started, then **bdflush()** enters the daemon code and never returns.

If *func* is 1, some dirty buffers are written to disk.

If *func* is 2 or more and is even (low bit is 0), then *address* is the address of a long word, and the tuning parameter numbered  $(func-2)/2$  is returned to the caller in that address.

If *func* is 3 or more and is odd (low bit is 1), then *data* is a long word, and the kernel sets tuning parameter numbered  $(func-3)/2$  to that value.

The set of parameters, their values, and their valid ranges are defined in the Linux kernel source file *fs/buffer.c*.

## RETURN VALUE

If *func* is negative or 0 and the daemon successfully starts, **bdflush()** never returns. Otherwise, the return value is 0 on success and -1 on failure, with *errno* set to indicate the error.

## ERRORS

### EBUSY

An attempt was made to enter the daemon code after another process has already entered.

### EFAULT

*address* points outside your accessible address space.

### EINVAL

An attempt was made to read or write an invalid parameter number, or to write an invalid value to a parameter.

### EPERM

Caller does not have the **CAP\_SYS\_ADMIN** capability.

## CONFORMING TO

**bdflush()** is Linux-specific and should not be used in programs intended to be portable.

## SEE ALSO

[fsync\(2\)](#), [sync\(2\)](#), [sync\(1\)](#)

## COLOPHON

This page is part of release 3.74 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 <http://www.kernel.org/doc/man-pages/>.