

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.

VERSIONS

Since version 2.23, glibc no longer supports this obsolete system call.

CONFORMING TO

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

SEE ALSO

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

COLOPHON

This page is part of release 4.16 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/>.