

**NAME**

cacheflush - flush contents of instruction and/or data cache

**SYNOPSIS**

```
#include <asm/cachectl.h>
```

```
int cacheflush(char *addr, int nbytes, int cache);
```

**DESCRIPTION**

**cacheflush()** flushes the contents of the indicated cache(s) for the user addresses in the range *addr* to *(addr+nbytes-1)*. *cache* may be one of:

**ICACHE**

Flush the instruction cache.

**DCACHE**

Write back to memory and invalidate the affected valid cache lines.

**BCACHE**

Same as (**ICACHE|DCACHE**).

**RETURN VALUE**

**cacheflush()** returns 0 on success or -1 on error. If errors are detected, *errno* will indicate the error.

**ERRORS****EFAULT**

Some or all of the address range *addr* to *(addr+nbytes-1)* is not accessible.

**EINVAL**

*cache* is not one of **ICACHE**, **DCACHE**, or **BCACHE**.

**CONFORMING TO**

This Linux-specific system call is available only on MIPS-based systems. It should not be used in programs intended to be portable.

**BUGS**

The current implementation ignores the *addr* and *nbytes* arguments. Therefore, the whole cache is always flushed.

**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/>.