



Linux Ubuntu 26.04 Manual Pages on command 'riscv_flush_icache.2'

\$ man riscv_flush_icache.2

__riscv_flush_icache(3) Library Functions Manual __riscv_flush_icache(3)

NAME

__riscv_flush_icache - Flush icaches on RISC-V

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

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

```
int __riscv_flush_icache(void *start, void *end, unsigned long flags);
```

DESCRIPTION

__riscv_flush_icache() enforces ordering between stores and instruction cache fetches.

The range of addresses over which ordering is enforced is specified by start and end.

The flags argument controls the extent of this ordering, with the default behavior (a flags value of 0) being to enforce the fence on all threads in the current process. Setting the

SYS_RISCV_FLUSH_ICACHE_LOCAL bit allows users to indicate that enforcing ordering on only the current thread is necessary. All other bits in flags are reserved.

STANDARDS

Linux on RISC-V.

HISTORY

Linux 4.15. glibc 2.27.

SEE ALSO

syscall(2)