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/* SPDX-License-Identifier: GPL-2.0 */
#ifndef ALPHA THREAD INFO H
#define ALPHA THREAD INFO H
#ifdef <u>KERNEL</u>
#ifndef __ASSEMBLY_
#include <asm/processor.h>
#include <asm/types.h>
#include <asm/hwrpb.h>
#include <asm/sysinfo.h>
#endif
#ifndef __ASSEMBLY
struct thread info
                                        /* palcode state */
      struct pcb struct pcb;
      flags; /* low level flags */
ieee_state; /* see fpu.h */
      unsigned int
                         addr_limit;  /* thread address space */
cpu;  /* current CPU */
preempt_count; /* 0 => preemptable, <0 =>
      mm_segment_t
      unsigned
      int
BUG */
      unsigned int status;
                                               /* thread-synchronous
flags */
      int bpt nsaved;
      unsigned long bpt addr[2];
                                      /* breakpoint handling */
      unsigned int bpt insn[2];
};
* Macros/functions for gaining access to the thread information
structure.
#define INIT THREAD INFO(tsk)
                   = &<u>tsk</u>,
      . <u>task</u>
      .addr limit = KERNEL DS,
       .preempt count = INIT PREEMPT COUNT,
}
/* How to get the thread information struct from C. */
register struct thread info * current thread info asm ("$8");
#define <u>current_thread_info</u>() <u>current_thread_info</u>
#endif /* ASSEMBLY */
/* Thread information allocation. */
#define THREAD SIZE ORDER 1
#define THREAD SIZE (2*PAGE SIZE)
 * Thread information flags:
 * - these are process state flags and used from assembly
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* - pending work-to-be-done flags come first and must be assigned to
be
 * within bits 0 to 7 to fit in and immediate operand.
 * TIF SYSCALL TRACE is known to be 0 via blbs.
#define TIF SYSCALL TRACE 0
                                     /* syscall trace active */
#define TIF_NOTIFY_RESUME 1
                                     /* callback before returning to user
*/
                                  2 /* signal pending */
/* rescheduling necessary */
#define TIF SIGPENDING
#define TIF NEED RESCHED 3
                                     /* syscall audit active */
#define TIF SYSCALL AUDIT 4
#define TIF NOTIFY SIGNAL 5 /* signal notifications exist */
#define TIF DIE IF KERNEL 9 /* dik recursion lock */
#define TIF MEMDIE 13 /* is terminating due to OOM killer
*/
#define TIF POLLING NRFLAG 14 /* idle is polling for
TIF NEED RESCHED */
#define <u>TIF_SYSCALL_TRACE</u> (1<< <u>TIF_SYSCALL_TRACE</u>)
#define <u>TIF SIGPENDING</u>
                                      (1<<TIF SIGPENDING)
#define _TIF_NOTIFY_RESUME (1<< TIF_NOTIFY_RESUME)</pre>
#define <u>TIF_SYSCALL_AUDIT</u> (1<< <u>TIF_SYSCALL_AUDIT</u>)
#define <u>TIF NOTIFY SIGNAL</u> (1<< <u>TIF NOTIFY SIGNAL</u>)
#define <u>TIF POLLING NRFLAG</u> (1<< <u>TIF POLLING NRFLAG</u>)
/* Work to do on interrupt/exception return. */
#define <u>TIF WORK MASK</u>
                                       ( TIF SIGPENDING | TIF NEED RESCHED
| \
```

TIF NOTIFY RESUME)