

```

struct thread_info {
    struct task_struct    *task;           /* main task structure */
    struct exec_domain    *exec_domain;    /* execution domain */
    unsigned long         flags;           /* low level flags */
    unsigned long         status;          /* thread-synchronous flags */
    __u32                 cpu;             /* current CPU */
    __s32                 preempt_count;   /* 0 => preemptable, <0 => BUG */

    mm_segment_t          addr_limit;      /* thread address space:
                                           0-0xBFFFFFFF for user-thread
                                           0-0xFFFFFFFF for kernel-thread
                                           */
    struct restart_block   restart_block;

    unsigned long         previous_esp;    /* ESP of the previous stack in case
                                           of nested (IRQ) stacks
                                           */
    __u8                  supervisor_stack[0];
};

```