NAME

swapcontext − Swap out old context with new context

SYNOPSIS

int **sys_swapcontext** (struct ucontext *old_ctx*, struct ucontext *new_ctx*, int *r5*, int *r6*, int *r7*, int *r8*,
struct pt_regs *regs*);

DESCRIPTION

swapcontext swaps out context *old_ctx* with new context *new_ctx*. The *int r#* values have no place in the system call functionality. The *regs* value indicates the current user register values from the user stack.

RETURN VALUE

swapcontext returns 0 on success; otherwise, **swapcontext** returns one of the errors listed in the "Errors" section.

ERRORS

-EFAULT

> *swapcontext* could not verify that the memory area pointed to by *old_ctx* or *new_ctx* was accessible for the operation.

-SIGSEGV

> A fault occurred when the context was being copied into the kernel's image of the user's registers. The should only occur in an out-of-memory situation.

SEE ALSO

getcontext(2), sigaction(2), sigaltstack(2), sigprocmask(2)

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