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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'swapcontext.2' command

\$ man swapcontext.2

SWAPCONTEXT(2) Linux 2.6 Programmer's Guide SWAPCONTEXT(2)

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 val? ue 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. This should only occur in an out-of-memory situation.

SEE ALSO

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

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