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### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'swapcontext.2'***

***\$ 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)

## AUTHOR

Niki Rahimi

Linux 2.6

2004-March-12

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