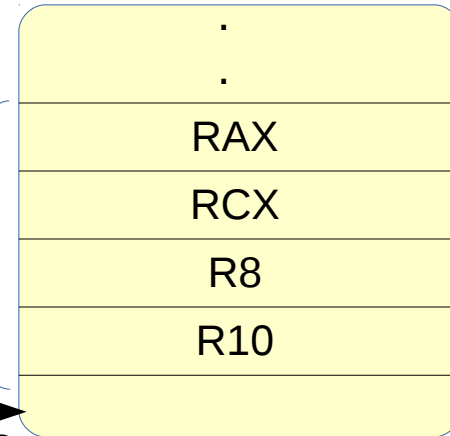
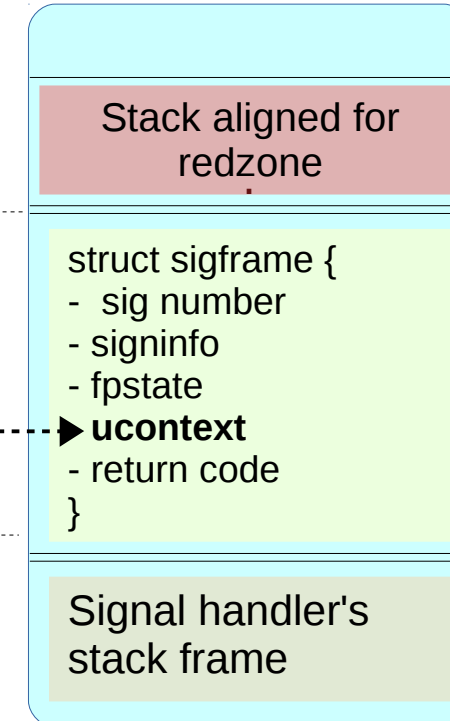


Overview of stack

Kernel stack



User-space stack



pt_regs

RSP

User process A

```
mov    %ecx,%eax  
sar    $0x1f,%eax  
sub    %eax,%edx  
mov    %edx,%eax  
sar    $0x2,%edx  
call   wait@plt  
mov    %ecx,%eax  
sar    $0x1f,%eax
```

Kernel mode

entry_64.S

- Save the register contents on kernel stack

entry/syscall_64.c

- Handle syscall
- Prepare return to user mode
- Return to user mode

entry_64.S

- Check for TIF_SIGPENDING
 - Yes - `do_signal()`

signal.c

- Allocate space and place sigframe and place saved registers/info on user stack