

Syscall Report

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To put the syscalls into the kernel, I first replicated the original kernel folder. I then made a new folder within the new kernel folder called `my_syscall` and programmed the syscalls within that folder. Next, I edited `syscalls.h`, `syscall_64`, and the Makefile of the kernel. I put in the IDs and information of my syscalls in order to make the system recognize them as valid syscalls. After that came programming the actual userspace program, which invoked the system calls using the IDs given to them while editing the source files. I had several segmentation errors when running `my_syscall2` in the userspace program, which (after much trial and error) I eventually figured out were because I called the wrong formatting specifier in the print statement. I made the changes, compiled, and the whole program worked. I took my screenshots, uploaded everything to github, and wrote this. The end.