

CMPE 312 Operating Systems

System Calls

Deadline: April 7th Sunday 23:59

You can work group of two people

- 1-) What is a system call? Please briefly explain the basics of system call, why we need them, and what we can achieve with them, how they are implemented etc.
- 2-) Select one type of the system calls that you wish to work, and try to explain the main purpose and the functionalities of this system call provides to the operating system, etc.
- 3-) As the last step, look over the source code of the system call that you have selected, and try to explain the implementation procedures of this system call as much as possible.

Links:

<http://man7.org/linux/man-pages/man2/syscalls.2.html>

http://www.makelinux.net/kernel_map/

<https://github.com/torvalds/linux>

<http://lxr.linux.no/linux>

P.S. There is also one PDF file along with this documentation on the Learn.