

Debugging

strace - show all system calls and all the signals it receives

strace -f python code.py
4240 execve("/usr/bin/python", ["python", "code.py"], [/* 41 vars */]) = 0
4240 brk(0) = 0x25cd000
4240 access("/etc/ld.so.nohwcap", F_OK) = -1 ENOENT (No such file or directory)
4240 mmap(NULL, 8192, PROT_READ PROT_WRITE, MAP_PRIVATE MAP_ANONYMOUS, -1, 0) = 0x7f59f5e57000
4240 access("/etc/ld.so.preload", R_OK) = -1 ENOENT (No such file or directory)
4240 open("/etc/ld.so.cache", O_RDONLY) = 3
look up `man -s 2 access` to find out what the messages mean

ltrace - show all library codes and all the signals it receives

ex: ltrace python myscript.py code.py