Linux Application Programming

Lecture Handouts

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References

- [1] BRYANT R E, O'HALLARON D R. Computer Systems: A Programmer's Perspective. 2nd ed. USA: Addison-Wesley, 2010.
- [2] COOPER M. Advanced Bash Scripting Guide 5.3 Volume 1. Lulu.com, 2010.
- [3] MATTHEW N, STONES R. Beginning linux programming. John Wiley & Sons, 2008.
- [4] RAYMOND E S. The art of Unix programming. Addison-Wesley, 2003.
- [5] STEVENS W R, RAGO S A. Advanced programming in the UNIX environment. Addison-Wesley, 2013.

Course Web Links

Course web site: https://cs6.swfu.edu.cn/moodle

Lecture slides: https://cs2.swfu.edu.cn/~wx672/lecture_notes/linux-app/slides/ **Source code:** https://cs2.swfu.edu.cn/~wx672/lecture_notes/linux-app/src/

/etc/hosts

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