

Linux Kernel Fundamentals: Chapter 4, Examining Linux Kernel Source Code

Fetch the Ubuntu kernel source.

1. Fetch the kernel source code.
2. For your kernel, do make cscope and make tags.
3. Test the ctags facility of the vi text editor.
 - a. Look up the function in the Linux kernel called sys_open(). If you find macro definitions at first, do :tn to find the next definition, and until you find the function definition.
 - b. The sys_open() function makes use of other functions. Move your cursor to one of these functions and hit Ctrl-]. What happened?
 - c. Hit the key sequence Ctrl-T. What happened?
 - d. Use the :tag command to look up the tag atomic_inc. Use the :tn command. What did this do? What does the :ts command do?
 - e. Without changing directories, load the file 3c59x.c.
 - f. Use the command :tags. What does this show?