



CScope Installation and Usage with Emacs

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Installation for Ubuntu

1. Download and install one of the supported text editors. Emacs and Vi are the most commonly used. I'll be showing this demo with Emacs.
2. Download the cscope tarball from the project home page.

<http://cscope.sourceforge.net/>

cd into the cscope directory after you unpack it and run the following commands

```
~$ ./configure
```

```
~$ make
```

```
~$ make install
```

After running the ./configure file check the output to make sure you aren't missing any required libraries.

You will need the following -- yacc, ncurses, flex

Installation continued..

To install these libraries simply enter the following commands

```
~$ sudo apt-get update
```

```
~$ sudo apt-get install flex
```

```
~$ sudo apt-get install bison
```

```
~$ sudo apt-get install ncurses-dev
```

3. Now you need to figure out how to integrate Cscope with your text editor.

I use emacs. I followed this blog post tutorial

<http://techtooltip.wordpress.com/2012/01/06/how-to-integrate-emacs-cscope-to-browse-linux-kernel-source-code/>

Getting Started

4. Make the Cscope database. Apparently it does this automatically once you open up a source file in emacs. In this demonstration, I followed a tip I found online that showed how to use a makefile to create the cscope database. For the linux version in this demonstration, you just cd into the linux folder after unpacking and type

```
~$ make cscope
```

5. Now if you open up a source file from the directory of the cscope.out file you should be able to start using the following macros.

Ctrl + c s c	:: Finds functions calling this function
Ctrl + c s C	:: Finds functions called by a function
Ctrl + c s a	:: Set directory of cscope database files
Ctrl + c s f	:: Finds a file

Sources

CScope Home Page

<http://cscope.sourceforge.net/>

Emacs Download

<http://www.gnu.org/software/emacs/>

Setting up cscope with Emacs

<http://techtooltip.wordpress.com/2012/01/06/how-to-integrate-emacs-cscope-to-browse-linux-kernel-source-code/>

Key Bindings and Overall Cscope Manual

`/cscope***/contrib/xcscope/xcscope.el`