Table Of Contents	1/	-

Table Of Contents

Table Of Contents	1
Further readings	4

Table Of Contents 2/5

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Home > Faq > FreeBSD

How do I install FreeBSD kernel source code?

Posted by Vivek Gite <vivek@nixcraft.com>

Q. I need to configure FreeBSD kernel but not able to find out source code in /usr/src/sys directory. How do I install FreeBSD source code?

A. Your kernel and all related source code is located at /usr/src/sys directory which is also accessible through the /sys path.

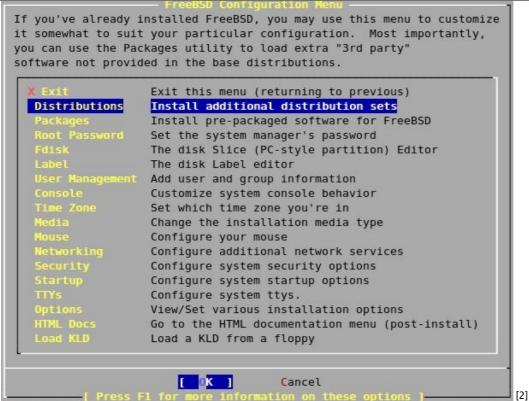
If there is not a /usr/src/sys directory on your system, then the kernel source has not been installed. The easiest way to do this is by running sysinstall as root, choosing Configure, then Distributions, then src, then base and sys

sysinstall

```
Welcome to the FreeBSD installation and configuration tool.
                                                             Please
select one of the options below by using the arrow keys or typing the
first character of the option name you're interested in. Invoke an
option with [SPACE] or [ENTER]. To exit, use [TAB] to move to Exit.
                 Quick start - How to use this menu system
                 Begin a standard installation (recommended)
                 Begin a quick installation (for experts)
                 Begin a custom installation (for experts)
                 Do post-install configuration of FreeBSD
                 Installation instructions, README, etc.
                 Select keyboard type
                 View/Set various installation options
                 Repair mode with CDROM/DVD/floppy or start shell
                 Upgrade an existing system
                Load default install configuration
                 Glossary of functions
                       [ elect ]
                                     X Exit Install
```

Select Configure

Table Of Contents 3/5

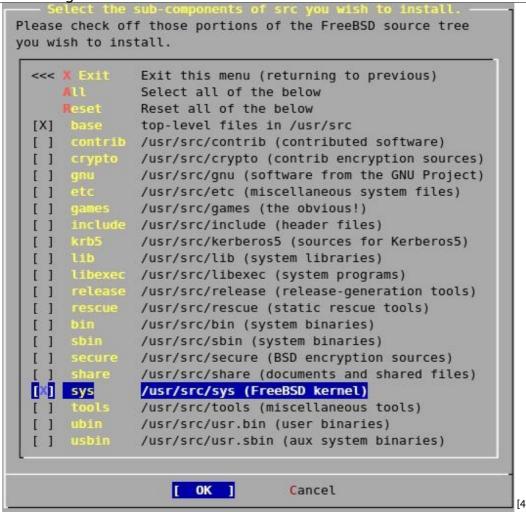


Select Distributions

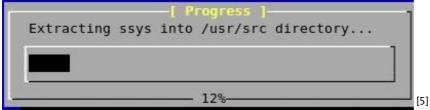


Select src

Further readings 4/5



Then base and sys > Select ok



Further readings

• FreeBSD handbook [6]

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URLs in this post:

- [1] Image: http://www.cyberciti.biz/faq/wp-content/uploads/2007/06/sysinstall-1.jpg
- [2] Image: http://www.cyberciti.biz/faq/wp-content/uploads/2007/06/sysinstall-2.jpg
- [3] Image: http://www.cyberciti.biz/faq/wp-content/uploads/2007/06/sysinstall-3.jpg
- [4] Image: http://www.cyberciti.biz/faq/wp-content/uploads/2007/06/sysinstall-4.jpg

Further readings 5/5

- [5] Image: http://www.cyberciti.biz/faq/wp-content/uploads/2007/06/sysinstall-5.jpg
- [6] FreeBSD handbook: http://www.freebsd.org/doc/en_US.ISO8859-1/books/handbook/kernelconfig-building.html

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