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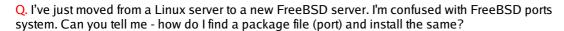
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How do I install and search FreeBSD ports or a package?

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A. Under Linux you use $\frac{\text{up2date}}{\text{pkg}}$ or apt-get command to install a package. Under FreeBSD you can use $\frac{\text{pkg}}{\text{pkg}}$ or apt-get command to install a package. Under FreeBSD you can use

The FreeBSD Ports Collection is a package management system that provides an easy and consistent way of installing software packages on the FreeBSD. Usually ports is located at usr/ports directory.

Task: Find out FreeBSD port name or package name

There are 3 different methods available to search a port name. Use any one of the following method only.

#1: Using whereis command

If you know the exact name of the port, but just need to find out which category it is in, you can use the whereis(1) command. Simply type whereis file, where file is the program you want to install.

```
# whereis php5
```

Output:

php5: /usr/ports/lang/php5

whereis lighttpd

Output:

lighttpd: /usr/ports/www/lighttpd

#2: Using make command

Change directory to /usr/ports

cd /usr/ports

To search type the command as follows:

make search name="package-name"

For example search a package called lightpd or php

make search name="php"

OR

make search name="lighttpd"

Output:

```
Port: lighttpd-1.4.13_2
Path: /usr/ports/www/lighttpd
Info: A secure, fast, compliant, and very flexible Web Server
```

Maint: mnag@FreeBSD.org

B-deps: autoconf-2.59_2 libtool-1.5.22_4 m4-1.4.8_1 pcre-7.0_1 perl-5.8.8

R-deps: pcre-7.0_1

WWW: http://www.lighttpd.net/

#3: Using locate command

You can also use locate command:

```
# locate php
# locate php | grep php5
```

Task: Install FreeBSD port

Above output displays port Path - /usr/ports/www/lighttpd. Just change directory to /usr/ports/www/lighttpd

cd /usr/ports/www/lighttpd

Now install a port:

```
# make; make install
```

Clean the source code tree:

make clean

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