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OpenBSD Install MySQL Server

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Q. How do I install and run MySQL version 5 database Server under OpenBSD UNIX operating system?



A. OpenBSD has pkg_add command. It is used to install packages created with the pkg_create command. Selected packages containing pre-compiled applications from the /usr/ports tree can be found on the OpenBSD FTP site or on the official OpenBSD CD. pkg_add is the easiest way to install new packages, to replace existing packages with other flavors (option -r) or to update packages to newer versions option -u).

Install MySQL Database Server on OpenBSD

First setup installation mirror i.e. PKG_PATH using export command:

```
$ export PKG_PATH=ftp://mirror.planetunix.net/pub/OpenBSD/4.1/packages/`machine` -a`/`
```

Next install MySQL server, using pkg_add command, enter:

```
$ sudo pkg_add -i -v mysql-server
```

OR

```
# pkg_add -i -v mysql-server
```

Output:

```
parsing mysql-server-5.0.33
Dependencies for mysql-server-5.0.33 resolve to: p5-DBD-mysql-3.0008, mysql-client-5.0.33
mysql-server-5.0.33:parsing mysql-client-5.0.33
mysql-server-5.0.33:mysql-client-5.0.33: complete
mysql-server-5.0.33:parsing p5-DBD-mysql-3.0008
Dependencies for p5-DBD-mysql-3.0008 resolve to: mysql-client-5.0.33, p5-DBI-1.53 (todo: p5-DBI-1.53)
mysql-server-5.0.33:parsing p5-DBI-1.53
Dependencies for p5-DBI-1.53 resolve to: p5-PlRPC-0.2018p0 (todo: p5-PlRPC-0.2018p0)
mysql-server-5.0.33:parsing p5-PlRPC-0.2018p0
Dependencies for p5-PlRPC-0.2018p0 resolve to: p5-Net-Daemon-0.39 (todo: p5-Net-Daemon-0.39)
mysql-server-5.0.33:parsing p5-Net-Daemon-0.39
mysql-server-5.0.33:p5-Net-Daemon-0.39: complete
mysql-server-5.0.33:p5-PlRPC-0.2018p0: complete
mysql-server-5.0.33:p5-DBI-1.53: complete
mysql-server-5.0.33:p5-DBD-mysql-3.0008: complete
adding group _mysql
adding user _mysql
installed /etc/my.cnf from /usr/local/share/mysql/my-medium.cnf*****
mysql-server-5.0.33: complete
--- mysql-server-5.0.33 -----
The mysql-server package doesn't initialize a default database.
Please run /usr/local/bin/mysql_install_db to create one.
```

Install default MySQL database

By default MySQL database is not initialized, enter the following command to create a default database:

```
# /usr/local/bin/mysql_install_db
```

Output:

```
Installing all prepared tables
Fill help tables
PLEASE REMEMBER TO SET A PASSWORD FOR THE MySQL root USER !
To do so, start the server, then issue the following commands:
/usr/local/bin/mysqladmin -u root password 'new-password'
/usr/local/bin/mysqladmin -u root -h openbsd.nixcraft.in password 'new-password'
See the manual for more instructions.
```

Start MySQL server

Now you have MySQL server installed. Start the server daemon, enter:

```
# /usr/local/bin/mysqld_safe &
```

Output:

```
[1] 7750
Starting mysqld daemon with databases from /var/mysql
```

Connect to MySQL server

Run mysql command to test if everything is working fine, enter:

```
# mysql
```

Output:

```
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 1
Server version: 5.0.33-log OpenBSD port: mysql-server-5.0.33

Type 'help;' or '\h' for help. Type '\c' to clear the buffer.
mysql> quit
Bye
```

Set root password

You must set a password for the MySQL root user, enter:

```
# /usr/local/bin/mysqladmin -u root password 'YOUR-Secret-Password'
```

To access the MySQL server with password, enter:

```
$ mysql -u root -p
```

Create MySQL startup and stop script

Finally, you need a script to start and stop MySQL Server. In order to start MySQL server at boot time, enter following command in `/etc/rc.conf.local` file:

```
# vi /etc/rc.conf.local
```

Append following line:

```
mysql=YES
```

Save and close the file. Now you need to edit `/etc/rc.local` file. It is use to specify site-specific startup actions, daemons, and other things which can be done AFTER your system goes into securemode:

```
# vi /etc/rc.local
```

Find out line which read as follows:

```
# Add your local startup actions here.
```

Append following code:

```
# MySQL startup
if [ X"${mysql}" == X"YES" -a -x /usr/local/bin/mysqld_safe ]; then
    echo -n " mysqld "
    /usr/local/bin/mysqld_safe --user=_mysql &
fi
```

Save and close the file.

How do I stop MySQL server under OpenBSD?

Use mysqladmin command:

```
# mysqladmin -u root -p shutdown
```

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