

qdPM Install Steps

1. Download a desktop hypervisor such as [VMware Workstation Player](#) or [Oracle's Virtual Box](#).
2. Install [Ubuntu 14.04](#).
3. After installing Ubuntu 14.04, update it with the latest patches:

```
apt-get update -y && apt-get upgrade -y && apt-get dist-upgrade
```

4. Install LAMP:

```
apt-get install tasksel  
  
tasksel install lamp-server
```

5. Install PHP and its modules:

```
apt-get install libapache2-mod-php5 php5 php5-common php5-curl php5-dev  
php5-gd php5-idn php-pear php5-imagick php5-mcrypt php5-mysql php5-ps php5-  
pspell php5-recode php5-xsl mysql-client libmysqlclient15-dev apache2  
apache2-doc apache2-mpm-prefork apache2-utils libexpat1 ssl-cert php5-xmlrpc  
php5-tidy
```

6. Stop MySQL service:

```
service mysql stop
```

7. Modify the my.cnf file:

```
vi /etc/mysql/my.cnf
```

8. In /etc/mysql/my.cnf, change the max_allowed_packet value to 100M

```
max_allowed_packet = 100M
```

9. Start MySQL service:

```
service mysql start
```

qdPM Install Steps

10. Create the database:

```
mysql -u root -p

CREATE DATABASE qdpm CHARACTER SET utf8 COLLATE utf8_bin;

GRANT ALL PRIVILEGES ON qdpm.* TO 'qdpm'@'localhost' IDENTIFIED BY 'password';

GRANT ALL PRIVILEGES ON *.* TO 'qdpadmin'@'localhost' IDENTIFIED BY 'password';
```

11. Install unzip

```
apt-get install unzip
```

12. Download and extract software.

```
cd /var/www

wget http://skylineservers.dl.sourceforge.net/project/qdpm/qdPM_8.3.zip

unzip qdPM_8.3.zip
```

13. Enable Apache mod rewrite:

```
a2enmod rewrite
```

14. Modify the apache global file:

```
vi /etc/apache2/apache2.conf
```

Find the following section and make the needed changes:

```
<Directory /var/www/>
    Options Indexes FollowSymLinks
    AllowOverride All
    Require all granted
</Directory>
```

qdPM Install Steps

15. Modify the site configuration file:

```
vi /etc/apache2/sites-enabled/000-default.conf
```

a. Change the following attributes:

```
ServerAdmin webmaster@localhost
DocumentRoot /var/www/html
```

to

```
ServerAdmin webmaster@localhost
DocumentRoot /var/www/qdpm
```

b. Add the following code at the bottom of the file (but before the `</VirtualHost>` tag):

```
<Directory /var/www/qdpm/>
  Options -Indexes +FollowSymLinks
  AllowOverride All
  Require all granted
</Directory>
</VirtualHost>
```

16. Configure PHP:

```
vi /etc/php5/apache2/php.ini
```

Add or modify the following lines:

```
max_execution_time = -1
```

```
max_input_time = -1
```

```
memory_limit = 512M
```

```
short_open_tag = On
```

qdPM Install Steps

17. Enable PHP5 mcrypt:

```
php5enmod mcrypt
```

18. Grant apache ownership of web root:

```
chown -R www-data:www-data /var/www
```

19. Restart apache

```
service apache2 restart
```

20. Point your browser at the IP address your site to install software:

```
http://<ip-address-of-virtual-machine>/
```