

## Create the ownCloud Database

Now that you have installed the prerequisites, it's time to create the ownCloud database and user. The commands in this section are issued from within the MariaDB console.

1. Access the MariaDB console:
2. `sudo mysql -u root -p`
3. create your ownCloud database:
4. `CREATE DATABASE ownclouddb;`
5. Create a new user with the necessary privileges, including a strong and unique password. Be sure to substitute `PASSWORD` with your own password:

```
>CREATE USER 'ownclouduser'@'localhost' IDENTIFIED BY 'letmein';  
>GRANT ALL ON ownclouddb.* TO 'ownclouduser'@'localhost';
```

6. Flush your database's privileges:
7. `FLUSH PRIVILEGES;`
8. Finally, exit the database console:
9. `exit`

## Download ownCloud

At this point, the system is ready for ownCloud. Before you actually download the software, check the [ownCloud downloads page](#) to confirm the most recent version.

1. Download ownCloud. As of writing this guide, the latest version is 10.5.0. Replace 10.5.0 with the version you want to download.
2. `wget https://download.owncloud.org/community/owncloud-10.5.0.zip`
3. Unzip the downloaded file:
4. `unzip owncloud-10.5.0.zip`

Note

If necessary, install `unzip` with the command:

```
sudo apt-get install zip -y
```

5. When you unzip the file, a new directory named `owncloud` is created. Move the new directory to the Apache document `root`. This example uses the default directory for Apache site files:
6. `sudo mv owncloud /var/www/html/`
7. Change the ownership of the `owncloud` directory:
8. `sudo chown -R www-data: /var/www/html/owncloud`

## Create an Apache Configuration File

Apache requires a [virtual host configuration file](#) in order to server your ownCloud instance to the web.

1. Create an Apache configuration file using the Nano text editor:
2. `sudo nano /etc/apache2/sites-available/owncloud.conf`
3. Paste the following text into the new file. Replace mentions of `example.com` with your own domain name or your [Linode's IP Address](#):

File: `/etc/apache2/sites-available/owncloud.conf`

```
<VirtualHost *:80>
    ServerAdmin admin@example.com
    DocumentRoot /var/www/html/owncloud
    ServerName example.com
    <Directory /var/www/html/owncloud>
        Options FollowSymlinks
        AllowOverride All
        Require all granted
    </Directory>

    ErrorLog ${APACHE_LOG_DIR}/example.com_error.log

    CustomLog ${APACHE_LOG_DIR}/your-domain.com_access.log combined
</VirtualHost>
```

1. Save and close the file by typing **Ctrl + O** and then, **Ctrl + X**:
2. Enable the `rewrite`, `mime`, and `unique_id` Apache modules:
3. `sudo a2enmod rewrite mime unique_id`
4. Restart the Apache server:
5. `sudo systemctl restart apache2`

The command line portion of the installation is complete.

## Configure ownCloud

This section covers the web-based portion of the installation.

1. Open a web browser and navigate to your site's domain, if it has been configured to use a domain name like, `http://example.com/owncloud`. If you configured Apache to point to your server's IP address, navigate to `http://192.0.2.0/owncloud` and replace the example IP address with your own. You should see the ownCloud web-based installer.
2. Type a username and password for the admin user; click the `Storage & Database` drop-down; and then click `MySQL/MariaDB`.
3. The database information section is now available. Enter the following information:
  - o Database User: `ownclouduser`
  - o Database password: the password you set for the ownCloud database user
  - o Database: `owncloudodb`
  - o Localhost: leave as the default



Create an admin account



Storage & database ▾

Data folder

Configure the database

Only MySQL/MariaDB is available. Install and activate additional PHP modules to choose other database types.

For more details check out the [documentation](#). ↗



Please specify the port number along with the host name (e.g., localhost: 5432).

Finish setup

4. Click **Finish setup**. When the install completes, the ownCloud login page appears. Login with the newly-created admin credentials. Once logged in, you are taken to the main ownCloud page.