

TOWiOS

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NEXTCLOUD INSTALLATION - UBUNTU 23.04 LTS

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Note:

The following websites have been used for reference:

- <https://www.rosehosting.com/blog/how-to-install-nextcloud-on-ubuntu-22-04/>

The following instructions are to install Nextcloud locally on Ubuntu.

If you use these instructions you do so at your own risk. They are not considered 'perfect', and are purely for testing purposes.

1> INSTALL SOFTWARE

Install packages for apache, mysql and php:

```
sudo apt install unzip apache2 php php-mysql mysql-client mysql-server php-zip php-xml php-mbstring
php-gd php-simplexml php-curl php-intl php-imagick php-gmp php-bcmath php-memcache
libmagickcore-6.q16-6-extra
```

It will suggest additional packages and you will be asked to continue:

Do you want to continue? [Y/n] (Enter)

Note: At the time of writing, version 8.1 of php was installed. (Yours may be newer - make a note of the version.)

2> DOWNLOAD NEXTCLOUD

Download the latest .zip Nextcloud file:

- Download for server: <https://nextcloud.com/install/>
- Menu, 'Get Nextcloud' -> 'Nextcloud Server': Community Projects -> 'Get Zip file'

Extract the downloaded directory:

```
sudo unzip /home/username/Downloads/latest.zip -d /var/www/html/
```

Note: Enter the relevant username, and name of file downloaded (at the time of writing, it was 'latest.zip').

3> WEB SERVER PERMISSIONS

Set permissions for the web server:

```
sudo chown -R www-data:www-data /var/www/html/nextcloud
```

4> WEB SERVER (APACHE2) & PHP SETUP

Amend the php.ini file:

```
sudo nano /etc/php/8.1/apache2/php.ini
```

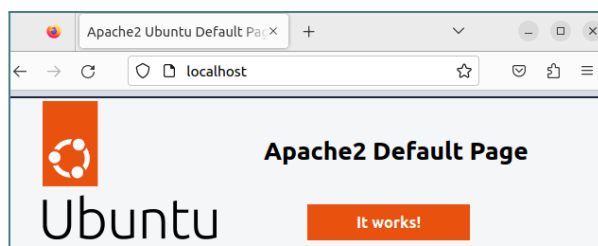
- Remove the comment (semi-colon ;) by line: **max_input_vars**
- Increase the size of **max_input_vars** to at least 5000
- Increase **memory_limit = 512M**
- Change **upload_max_filesize = 1GB**
- Change **max_file_uploads = 50**
- Change **post_max_size = 0**
- Increase **max_execution_time = 300**

Start the web server:

```
sudo service apache2 start
```

Check the webserver is running:

Load firefox and go to <http://localhost>



Note: Your php version may vary.

5> DATABASE SETUP

Start mysql:

```
sudo service mysql start
```

Log into mysql:

```
sudo mysql -u root -p
Enter password (enter)
```

Create database:

```
CREATE DATABASE nextcloud_db;
```

Check database was created:

```
show databases;
```

Create database user:

```
CREATE USER 'nextclouduser'@'localhost' IDENTIFIED BY 'Password123!!';
```

Assign database permissions:

```
GRANT ALL PRIVILEGES ON nextcloud_db.* TO 'nextclouduser'@'localhost';
```

Clear cache:

```
FLUSH PRIVILEGES;
```

Leave mysql:

```
quit;
```

Note: Anything underlined can be changed to suit your needs - but remember them for 'Step 6'. Highlighted details must match.

6> INSTALL NEXTCLOUD

Firefox, go to: <http://localhost/nextcloud/index.php>

1. Create an admin account:

- a. Username: NextAdmin
- b. Password: Complex123!!

2. Storage & database:

- a. Data folder: /var/www/html/nextcloud/data
- b. Database user: nextclouduser
- c. Database password: Password123!!
- d. Database name: nextcloud_db
- e. Database host: localhost:5432


(INSTALL)

3. Recommended apps: Install recommended apps (Note this may take some time.)


(INSTALL RECOMMENDED APPS)

Recommended apps


Installing apps ...




Calendar
Schedule work & meetings, synced with all your devices.




Contacts
Keep your colleagues and friends in one place without leaking their private info.




Mail
Simple email app nicely integrated with Files, Contacts and Calendar.



Nextcloud Office
Collaborative documents, spreadsheets and presentations, built on Collabora Online.



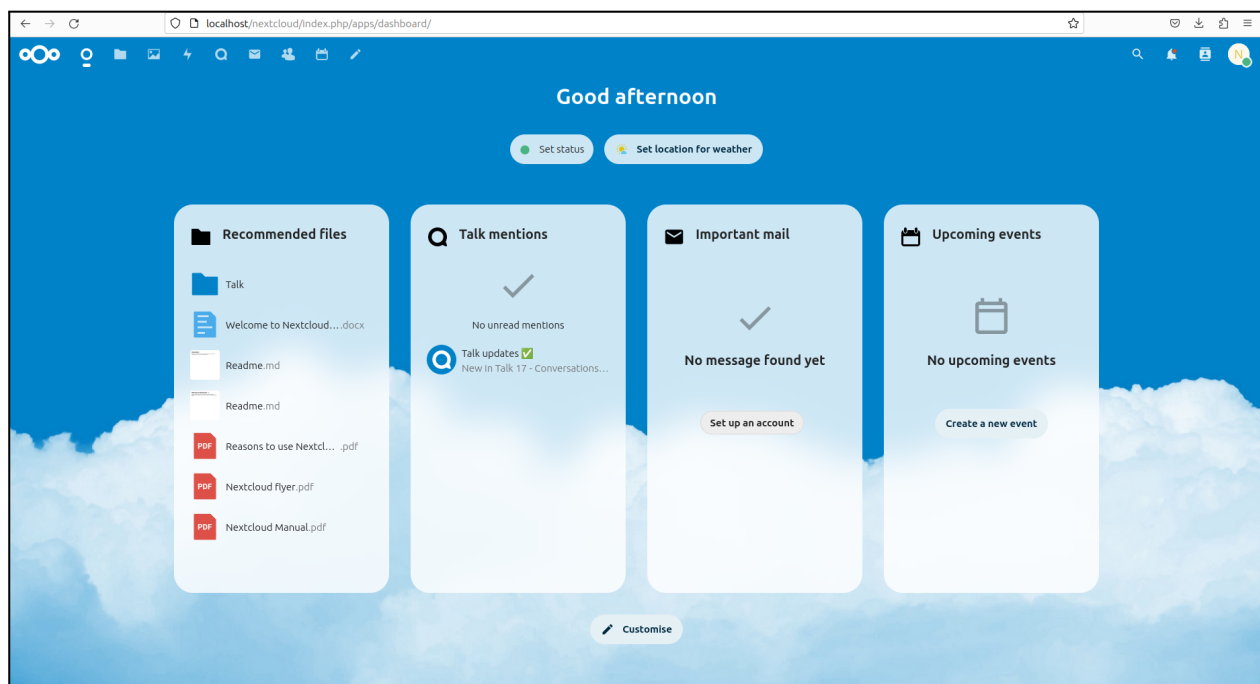
Notes
Distraction free note taking app.



Talk
Chatting, video calls, screensharing, online meetings and web conferencing – In your browser and with mobile apps.

FINISH

When it is complete you will be presented with the Dashboard:



Note: To access the website: <http://localhost/nextcloud/index.php/login>.