

NextCloud

Share and collaborate on documents, send and receive email, manage your calendar and have video chats without data leaks As fully on-premises solution, Nextcloud Hub provides the benefits of online collaboration without the compliance and security risks. More information here: <https://nextcloud.com/>

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x86 Docker-Compose.yml

```
version: '2'

volumes:
  nextcloud:
  db:

services:
  db:
    image: mariadb
    restart: always
    command: --transaction-isolation=READ-COMMITTED --binlog-format=ROW --innodb-file-per-table=1 --skip-innodb-read-only-compressed

    volumes:
      - db: /var/lib/mysql
    environment:
      - MYSQL_ROOT_PASSWORD=Bund7zXeVz7YnFknLGcnUjHtk #change this
      - MYSQL_PASSWORD=HFdMe9rn5kf7A8Pqc8v86Pre5 #change this
      - MYSQL_DATABASE=nextcloud
      - MYSQL_USER=nextcloud

  app:
    image: nextcloud
    restart: always
    ports:
      - 8888: 80
    links:
      - db
    volumes:
      - nextcloud: /var/www/html
    environment:
      - MYSQL_PASSWORD=HFdMe9rn5kf7A8Pqc8v86Pre5 #change this to match the mysql_password
    above
      - MYSQL_DATABASE=nextcloud
      - MYSQL_USER=nextcloud
```

```
- MYSQL_HOST=db
```

The command in the db service has been modified from the original to prevent the following error:

```
4047 InnoDB refuses to write tables with ROW_FORMAT=COMPRESSED or KEY_BLOCK_SIZE.
```

This solution was found [here](#).

Raspberry Pi Docker-Compose.yml

```
version: '2'

volumes:
  nextcloud:
  db:

services:
  db:
    image: yobasystems/alpine-mariadb:latest
    command: --transaction-isolation=READ-COMMITTED --binlog-format=ROW
    restart: always
    volumes:
      - /srv/dev-disk-by-label-Files/Databases/NextCloud:/var/lib/mysql
    environment:
      - MYSQL_ROOT_PASSWORD=nextcloud
      - MYSQL_PASSWORD=nextcloud
      - MYSQL_DATABASE=nextcloud
      - MYSQL_USER=nextcloud

  app:
    image: nextcloud
    ports:
      - 8080:80
    links:
      - db
    volumes:
      - /srv/dev-disk-by-label-Files/Config/Nextcloud:/var/www/html
    restart: always
```

Increase File Size Uploads with .htaccess

Log in to Portainer

Go to your list of containers

Find your NextCloud container

Click the >_ (Exec Console)

Run the following commands:

- apt update
- apt upgrade
- apt install nano
- nano .htaccess

Once you're editing .htaccess, copy and paste the following lines into the file:

```
php_value memory_limit 2G
php_value upload_max_filesize 16G
php_value post_max_size 16G
php_value max_input_time 3600
php_value max_execution_time 3600
```

You can add this to the top or the bottom of the file as you see fit.

These numbers can be adjusted to whatever you'd like your max filesize to be. Be sure to make the *post_max_size* a bit larger than the *upload_max_filesize*.

Save (CTRL+O)

Exit (CTRL+X)

Go back to your Portainer dashboard and restart the NextCloud container.

Raspberry Pi 4 Docker Compose

```
version: '2'

volumes:
  nextcloud:
  db:

services:
  db:
    image: yobasystems/alpine-mariadb:latest
    restart: always
    command: --transaction-isolation=READ-COMMITTED --binlog-format=ROW --innodb-file-per-table=1 --skip-innodb-read-only-compressed

    volumes:
      - db: /var/lib/mysql
    environment:
      - MYSQL_ROOT_PASSWORD=Bund7zXeVz7YnFknLGcnUjHtk #change this
      - MYSQL_PASSWORD=HFdMe9rn5kf7A8Pqc8v86Pre5 #change this
      - MYSQL_DATABASE=nextcloud
      - MYSQL_USER=nextcloud

  app:
    image: nextcloud
    restart: always
    ports:
      - 8888: 80
    links:
      - db
    volumes:
      - nextcloud: /var/www/html
    environment:
      - MYSQL_PASSWORD=HFdMe9rn5kf7A8Pqc8v86Pre5 #change this to match the mysql_password
```

above

- MYSQL_DATABASE=nextcloud
- MYSQL_USER=nextcloud
- MYSQL_HOST=db