NextCloud with CloudFlare Tunnels

NextCloud with CloudFlare Tunnels

We're going to take a look at getting NextCloud up and running with Docker, Portainer, and CloudFlare Tunnels.

This post will be a companion piece to the video and will really only have the different bits that I updated in the video.

NextCloud Docker Compose

Uptime-Kuma Docker Compose

We need to edit some files in the NextCloud Docker container, so log into Portainer and find the >_ icon next to your NextCloud container.

Click that icon.

Click the blue Connect button.

In the terminal window, enter the following:

```
apt update
```

```
apt install nano
```

```
nano .htaccess
```

This will update our repositories, install the nano editor, and then open the .htaccess file with nano.

Add the following to the top of the .htaccess in your NextCloud container:

```
php_value upload_max_filesize 16G
php_value post_max_size 16G
php_value max_input_time 3600
php_value max_execution_time 3600
php_value memory_limit 2048M
```

Save and exit with CTRL+o and then CTRL+x

Now we'll edit the config.php file with:

```
nano config/config.php
```

Scroll down until you find the 'trusted_domains' section:

```
'trusted_domains' =>
  array (
    0 => '192.168.1.65:8080',
),
```

You'll want to add another line so that it look similar to this:

```
'trusted_domains' =>
  array (
    0 => '192.168.1.65:8080',
    1 => 'cloud.dbt3ch.com',
  ),
```

Then scroll down to the bottom of the file where you should see:

```
'installed' => true,
```

And add the following before the last ");":

```
'overwriteprotocol' => 'https',
'default_phone_region' => 'US',
'enable_previews' => true,
```

Save and exit with CTRL+o and then CTRL+x

Now we'll edit the 000-default.conf file with:

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

Scroll to the end of the file and add the following:

```
Redirect 301 /.well-known/carddav https://cloud.dbt3ch.com/remote.php/dav
Redirect 301 /.well-known/caldav https://cloud.yoursite.com/remote.php/dav
Redirect 301 /.well-known/webdav https://cloud.yoursite.com/remote.php/dav
Redirect 301 /.well-known/webfinger https://cloud.yoursite.com/index.php
Redirect 301 /.well-known/nodeinfo https://cloud.yoursite.com/index.php
```

Of course, make sure that the cloud.yoursite.com is your NextCloud URL.

Once you've made all these changes, be sure to restart your NextCloud Docker container.

NextCloud Docker Compose

```
---
version: "2"
services:
  app:
    depends_on:
      - db
    environment:
      - MYSQL_PASSWORD=
      - MYSQL_DATABASE=nextcloud
      - MYSQL_USER=nextcloud
      - MYSQL_HOST=db
    image: nextcloud
    links:
      - db
    ports:
      - "8080:80"
    restart: always
    volumes:
      - "/path/to/nextcloud:/var/www/html"
      - "/path/to/apps:/var/www/html/custom_apps"
      - "/path/to/config:/var/www/html/config"
      - "/path/to/data:/var/www/html/data"
      - "/path/to/theme:/var/www/html/themes/<YOUR_CUSTOM_THEME>"
  db:
    command: "--transaction-isolation=READ-COMMITTED --binlog-format=ROW"
    environment:
      - MYSQL_ROOT_PASSWORD=
      - MYSQL_PASSWORD=
      - MYSQL_DATABASE=nextcloud
      - MYSQL_USER=nextcloud
    image: "mariadb:10.5"
    restart: always
    volumes:
      - "/path/to/db:/var/lib/mysql"
```

Uptime Kuma

```
version: '3.3'

volumes:
  uptimekuma:

services:
  uptime-kuma:
    image: louislam/uptime-kuma
    container_name: uptime-kuma
    volumes:
      - uptimekuma:/app/data
    ports:
      - 3001:3001
```