NextCloud customization

Introduction

The solution indicated here works on a turnkeylinux LXC image for NextCloud.

Change the data location

To change the data location, you need to do a few things:

1. copy the previous storage location to the new one:

   ```
   sudo cp -R /var/www/nextcloud-data/* /path/to/your/data/directory/
   ```

2. create a `.ncdata` file in the new data location:

   ```
   vim .ncdata
   ```

   And write the following inside:

   ```
   # Nextcloud data directory
   ```

3. change the ownership of the new data directory to `www-data`:

   ```
   sudo chown -R www-data:www-data /path/to/your/data/directory
   ```

4. edit the `/var/www/nextcloud/config/config.php` file:

   ```
   <?php
   $CONFIG = array (
     'passwordsalt' => 'salt',
     'secret' => 'secret',
     'trusted_domains' =>
     array (
       0 => 'localhost',
       1 => 'example.com',
   ```

```
  ),

 ## data directory path
#############################################################################
##############
  'datadirectory' => '/var/www/nextcloud-data',#  <---- change that to '/path/to/your/data/directory'
  'dbtype' => 'mysql',
  'version' => '30.0.0.14',
  'overwrite.cli.url' => 'http://example.com',
  'overwriteprotocol' => 'https',
  'dbname' => 'nextcloud',
  'dbhost' => 'localhost',
  'dbport' => '',
  'dbtableprefix' => 'oc_',
  'mysql.utf8mb4' => true,
  'dbuser' => 'nextcloud',
  'dbpassword' => 'password',
  'installed' => true,
  'instanceid' => 'id-number',
  'memcache.local' => '\\OC\\Memcache\\Redis',
  'redis' =>
  array (
    'host' => '/var/run/redis/redis.sock',
    'port' => 0,
    'timeout' => 0.0,
  ),
  'filelocking.enabled' => true,
  'memcache.locking' => '\\OC\\Memcache\\Redis',
  'log_type' => 'file',

 ## log file path
#############################################################################
####################
  'logfile' => '/var/www/nextcloud-data/nextcloud.log',# <------ change that to
'/path/to/your/data/directory/nextcloud.log'
  'loglevel' => 3,
  'maintenance' => false,
  'theme' => '',
  'updater.secret' => 'secret',
```

```
);
```

Disable the HTTP to HTTPS redirection

> ⚠ ONLY DO THAT IF YOU HAVE A VERY VALID REASON TO!
>
> In my case, the NextCloud server is behind `HAProxy` who is set to offload the SSL encryption from the server and managing the certificates at the same time.

If NextCloud is served by `Apache2`, then this is the solution:

Edit the file `/etc/apache2/sites-available/nextcloud.conf`:

```
ServerName localhost

<VirtualHost *:80>
    UseCanonicalName Off
    ServerAdmin webmaster@localhost
    DocumentRoot /var/www/nextcloud/ # <--------- Add this line
#    RewriteEngine On   <-------- Delete or comment this line like it is here
#    RewriteRule ^(.*)$ https://%{HTTP_HOST}%{REQUEST_URI} [L,R=301]   <-------- Delete or comment this line like it is here
</VirtualHost>

<VirtualHost *:443>
    SSLEngine on
    ServerAdmin webmaster@localhost
    DocumentRoot /var/www/nextcloud/

    <IfModule mod_headers.c>
       Header always set Strict-Transport-Security "max-age=15552000; includeSubDomains"
    </IfModule>
</VirtualHost>
```

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

Restart `apache2` service:

```
sudo systemctl restart apache2
```

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