NextCloud Installation

first, make sure PHP is the latest version available

http://kb.unixservertech.com/unix/linux/debian/devuan_sury

- https://docs.nextcloud.com/server/20/admin_manual/installation/example_ubuntu.html
- https://docs.nextcloud.com/server/20/admin_manual/installation/source_installation.html
- https://nextcloud.com/install/#instructions-server

```
apt install apache2 libapache2-mod-php mariadb-server php-xml php-cli php-
cgi php-mysql php-mbstring php-gd php-curl php-zip wget unzip -y

a2enmod rewrite
a2enmod headers
a2enmod env
a2enmod dir
a2enmod mime
a2enmod ssl
a2ensite default-ssl
```

Note: The following rules need to be fixed in the existing system. On Debian, with their 'conf.d/' directory, it is simplest to just add a file which is sorted to be processed last (thus the 99-). When PHP configuration is read, it will process the standard php.ini, then process each entry in conf.d/ in sorted order, so 99-nextcloud.ini will be towards the end.

For non-Debian based systems, you will need to manually edit the php.ini file, generally found in: joe /etc/php/version/<sapi>/php.ini

Note: sapi is a subdirectory for different uses of PHP like apache, cli, cgi, ... You can change only one but it will not be carried over, so if you modify under apache/, it will only affect the web browser, not the cli.

```
; add this in the late-loading PHP override file for Nextcloud
; add this in /etc/php/<version>/<sapi>/conf.d/99-nextcloud.ini
memory_limit = 512M
upload_max_filesize = 512M
post_max_size = 512M
max_execution_time = 3600
max_input_time = 3600
max_input_vars = 5000
output_buffering = Off
opcache.enable = 1
opcache.interned_strings_buffer = 16
opcache.max_accelerated_files = 10000
opcache.memory_consumption = 128
opcache.save_comments = 1
opcache.jit = 0
```

```
service apache2 reload
mysql_secure_installation
# do what needs to be done, then
# Create database
mysql
```

```
CREATE USER 'username'@'localhost' IDENTIFIED BY 'password';
CREATE DATABASE IF NOT EXISTS nextcloud CHARACTER SET utf8mb4 COLLATE
utf8mb4_general_ci;
GRANT ALL PRIVILEGES ON nextcloud.* TO 'username'@'localhost';
FLUSH PRIVILEGES;
```

```
chown www-data:www-data /var/www/html
mkdir /srv/nextcloud
chown www-data:www-data /srv/nextcloud/
wget https://download.nextcloud.com/server/installer/setup-nextcloud.php
```

Links

- https://docs.nextcloud.com/server/21/admin_manual/installation/source_installation.html
- https://www.howtoforge.com/tutorial/how-to-install-nextcloud-on-debian-10/
- https://tecadmin.net/install-nextcloud-on-debian/

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