

Welcome!

While we are waiting to get started, you can:

1. Open a web browser, log in to packetfence & ensure your time is correct.
 1. If your time is not syncing, stop and start NTP
 1. `sudo timedatectl set-ntp False`
 2. `timedatectl status`
 3. `sudo timedatectl set-ntp True`
 4. `timedatectl status`
2. Run updates:
 2. `sudo apt update && sudo apt upgrade -y`
3. If you want to use `vim` instead of `vi`
 1. `sudo apt install vim`

Nextcloud



Install Apache & PHP

```
sudo apt install apache2
```

```
sudo apt install lsb-release
```

```
curl https://packages.sury.org/php/apt.gpg | sudo tee  
/usr/share/keyrings/suryphp-archive-keyring.gpg >/dev/null
```

```
echo "deb [signed-by=/usr/share/keyrings/suryphp-archive-keyring.gpg]  
https://packages.sury.org/php/ $(lsb_release -cs) main" | sudo tee  
/etc/apt/sources.list.d/sury-php.list
```

```
sudo apt update
```

```
sudo apt install php8.2 php8.2-gd php8.2-sqlite3 php8.2-curl php8.2-zip  
php8.2-xml php8.2-mbstring php8.2-mysql php8.2-bz2 php8.2-intl php8.2-  
smbclient php8.2-imap php8.2-gmp php8.2-bcmath libapache2-mod-php8.2
```

```
sudo service apache2 restart
```

Set up MariaDB

```
sudo apt install mariadb-server
```

```
sudo mysql_secure_installation
```

```
sudo mysql -u root -p
```

```
CREATE DATABASE nextclouddb;
```

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

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

```
FLUSH PRIVILEGES;
```

Set up network folder

```
sudo mkdir /srv/data
```

```
vim ~/.smbcredentials
```

```
username=<hostname>  
password=umdhomelabclub!  
domain=WORKGROUP
```

```
sudo vim /etc/fstab
```

```
//10.70.50.148/share<hostname> /srv/data cifs credentials=/home/labclub/.smbcredentials,x-  
systemd.automount,icharset=utf8,rw,uid=33,gid=33,file_mode=0770,dir_mode=0770,vers=2.1 0 0
```

```
sudo systemctl daemon-reload
```

```
sudo mount -a
```

Replace `<hostname>` with the hostname of your Pi.

Set up Nextcloud

```
cd /var/www/
```

```
sudo wget https://download.nextcloud.com/server/releases/latest.tar.bz2
```

```
sudo tar -xvf latest.tar.bz2
```

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

```
sudo mkdir -p /srv/data/nextcloud/data
```

Set up Nextcloud (cont.)

sudo vim /etc/apache2/sites-available/nextcloud.conf

```
Alias /nextcloud "/var/www/nextcloud/"

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

    <IfModule mod_dav.c>
        Dav off
    </IfModule>
</Directory>
```

Set up Nextcloud (cont.)

```
sudo a2ensite nextcloud.conf
```

```
sudo systemctl reload apache2
```


Set up Nextcloud (cont.)

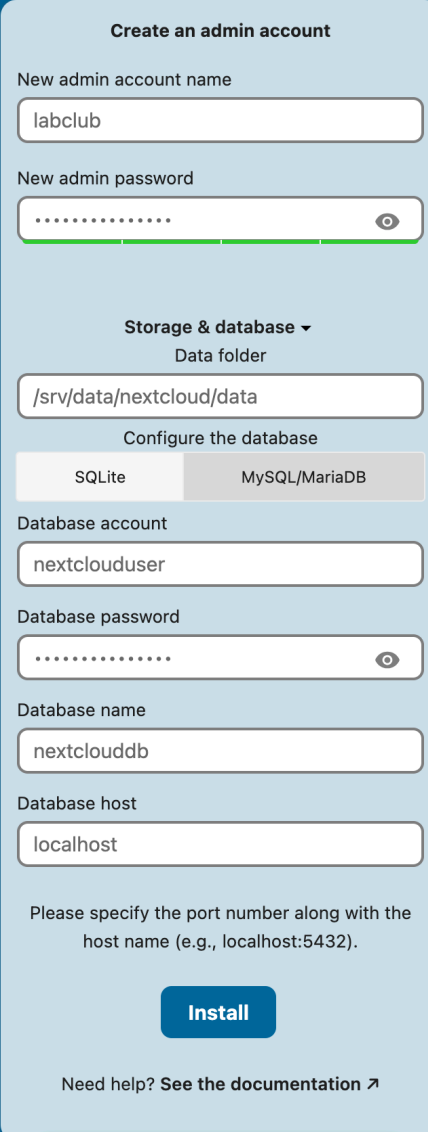
Navigate to *<IP-address>/nextcloud* in a web browser

Configure a username/password

Configure storage

Configure MariaDB database

It may take a moment to install. And it might be silly and redirect you to the page without the IP address in the URL when its done.



The screenshot shows the 'Create an admin account' screen of the Nextcloud installer. It has a light blue background and contains several form fields and sections. At the top, the title 'Create an admin account' is centered. Below it, there are two input fields: 'New admin account name' with the value 'labclub' and 'New admin password' with a masked password '.....'. A green progress bar is visible below the password field. The next section is 'Storage & database' with a dropdown arrow. Under 'Data folder', there is an input field containing '/srv/data/nextcloud/data'. Below that, 'Configure the database' has two tabs: 'SQLite' and 'MySQL/MariaDB', with the latter being selected. The 'Database account' field contains 'nextclouduser'. The 'Database password' field is masked with '.....'. The 'Database name' field contains 'nextclouddb'. The 'Database host' field contains 'localhost'. At the bottom, there is a note: 'Please specify the port number along with the host name (e.g., localhost:5432)'. Below this note is a blue 'Install' button. At the very bottom, there is a link: 'Need help? See the documentation ↗'.

Create an admin account

New admin account name

labclub

New admin password

.....

Storage & database ▾

Data folder

/srv/data/nextcloud/data

Configure the database

SQLite MySQL/MariaDB

Database account

nextclouduser

Database password

.....

Database name

nextclouddb

Database host

localhost

Please specify the port number along with the host name (e.g., localhost:5432).

Install

Need help? See the documentation ↗

Set up Nextcloud (cont.)

```
sudo vim /etc/php/8.2/apache2/php.ini
```

Change the following lines:

```
post_max_size = 8M  
upload_max_filesize = 2M
```

to:

```
post_max_size = 1024M  
upload_max_filesize = 1024M
```

```
sudo service apache2 restart
```

Election Results!

Your new *President*
is...

Your new *Treasurer*
is...

Your new *Developer*
is...

Thank you!
Don't forget
to join the
Discord!

<https://suddenlysixam.club/discord>

