

# Nextcloud Installation Steps

In this challenge, we are going to Install NextCloud On Ubuntu 22.04 LTS, This will be a detailed step-by-step high-performance Setup.

1. Install PHP and MySQL packages
2. Configure MySQL Server
3. Run the Nextcloud Setup on the Browser.

Step 1 install packages:

1. Become root user:

```
sudo -i
```

1. Update and upgrade your server:

```
sudo apt update && sudo apt upgrade -y
```

3: Install the following packages:

```
sudo apt install apache2 mariadb-server libapache2-mod-php php-gd php-mysql php-curl  
php-mbstring php-intl php-gmp php-bcmath php-xml php-imagick php-zip -y
```

```
sudo apt install libapache2-mod-php php-bz2 php-gd php-mysql php-curl php-mbstring  
php-imagick php-zip php-ctype php-curl php-dom php-json php-posix php-bcmath php-xml  
php-intl php-gmp zip unzip wget -y
```

4: Enable the following modules:

```
a2enmod rewrite dir mime env headers
```

Then restart your web server:

```
systemctl restart apache2
```

Step 2: Configure MySQL Server

1. Login to MySQL Prompt, Just type

```
mysql
```

### 1. Create MySQL Database and User for Nextcloud and Provide Permissions:

```
CREATE USER 'nextcloud'@'localhost' IDENTIFIED BY 'passw@rd';

CREATE DATABASE IF NOT EXISTS nextcloud CHARACTER SET utf8mb4 COLLATE
utf8mb4_general_ci;

GRANT ALL PRIVILEGES ON nextcloud.* TO 'nextcloud'@'localhost';
FLUSH PRIVILEGES;
quit;
```

### Step 3: Download and Install Nextcloud

Now download the latest Nextcloud archive file, Go to the Nextcloud Download Page. Or you can download from this direct link: <https://download.nextcloud.com/server/releases/latest.zip>

#### 1. Download and unzip at the web root (/var/www/html) folder:

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

```
wget https://download.nextcloud.com/server/releases/latest.zip
```

```
unzip latest.zip
```

#### 1. Move all nextcloud content to the web root (/var/www/html) folder:

```
cd /var/www/html/nextcloud
```

```
mv * .* ../
```

#### 1. Remove empty nextcloud directory:

```
rmdir /var/www/html/nextcloud
```

#### 1. Change the ownership of the nextcloud content directory to the HTTP user:

```
chown -R www-data:www-data /var/www/html
```

Now, Go to the Browser and type [http:// \[ ip or fqdn \]](http://[ip or fqdn]) of the server, The below Nextcloud install page will appear. On the page we need to Provide information for: 1. nextcloud admin username & password 2. Database Credentials (db name, db user and db Password)

<http://ip or dnsname>

Now go to the browser the configure nextcloud enter the database username and password you were provided when configured database.