

ownCloud Quick Start Guide

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Introduction

This document describes how to install and configure your ownCloud server and the ownCloud desktop and mobile clients.

Chapter 1. Installing ownCloud Server

Use the subsequent steps for a successful install of ownCloud Server in your on-premises environment.

1.1. System Requirements

Use the following environment:

platform	options
operating system	Ubuntu 20.04 LTS
Database	MariaDB 10.5+
Web server	Apache 2.4 with prefork and mod_php
PHP Runtime	7.4
openSSL	1.1.x

Table 1.1

IMPORTANT

- MariaDB 10.6 is only supported with ownCloud release 10.9+. See [Manual Installation Databases](#) for more information.
- Some ciphers in version 1.x are no longer valid. You must verify the version regardless of the selected operating system. See [openSSL Version](#) for more information.

1.2. Installation

This section describes the steps to install ownCloud on Ubuntu 20.04 LTS with SSH enabled and root privileges. Docker images and specific Linux Distribution packages are available at [ownCloud Downloads](#).

1.2.1. Preparing Your System

1. Verify the **apt** installation and its required packages are installed and up to date on your system:

```
$ apt update && \
  apt upgrade -y
```

```
$ apt install -y \
  apache2 libapache2-mod-php \
  mariadb-server openssl redis-server wget php-imagick \
  php-common php-curl php-gd php-gmp php-bcmath php-imap \
  php-intl php-json php-mbstring php-mysql php-ssh2 php-xml \
```

```
php-zip php-apcu php-redis php-ldap php-phpseclib
```

2. (Optional) Install additional tools helpful for debugging:

```
$ apt install -y \
    unzip bzip2 rsync curl jq \
    inetutils-ping ldap-utils \
    smbclient
```

1.2.2. Configuring Apache

1. Update the Apache configuration and restart:

```
$ sed -i "s#html#owncloud#" /etc/apache2/sites-available/000-default.conf
service apache2 restart
```

2. Create and enable your ownCloud virtual host configuration:

```
FILE="/etc/apache2/sites-available/owncloud.conf"
cat <<EOM >$FILE
<VirtualHost *:80>
# uncomment the line below if variable was set
#ServerName $my_domain
DirectoryIndex index.php index.html
DocumentRoot /var/www/owncloud
<Directory /var/www/owncloud>
    Options +FollowSymlinks -Indexes
    AllowOverride All
    Require all granted

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

    SetEnv HOME /var/www/owncloud
    SetEnv HTTP_HOME /var/www/owncloud
</Directory>
</VirtualHost>
EOM
```

```
$ a2dissite 000-default
```

```
$ a2ensite owncloud.conf
```

1.2.3. Configuring the Database

1. Start MySQL and grant privileges for ownCloud server:

```
$ service MySQL start
MySQL -u root -e "CREATE DATABASE IF NONE EXISTS owncloud; \
GRANT ALL PRIVILEGES ON owncloud.* \
TO owncloud@localhost \
IDENTIFIED BY 'password'";
```

2. Enable the requisite modules for your database and reload Apache:

```
$ a2enmod dir env headers mime rewrite setenvif
service apache2 reload
```

1.2.4. Installing ownCloud

1. Download and set up ownCloud as follows. See [Using the occ Command](#) for a list of ownCloud Console (**occ**) commands.

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

```
$ wget https://download.owncloud.org/community/owncloud-10.6.0.tar.bz2 && #Download
ownCloud \
tar -xjf owncloud-10.6.0.tar.bz2 && #Extract ownCloud Archive \
```

```
$ chown -R www-data. owncloud
```

```
$ occ maintenance:install #ownCloud Installation \
--database "MySQL" \
--database-name "owncloud" \
--database-user "owncloud" \
--database-pass "password" \
--admin-user "admin" \
--admin-pass "admin"
myip=$(hostname -I|cut -f1 -d ' ') #ownCloud Trusted Domains Configuration \
```

```
$ occ config:system:set trusted_domains 1 --value="$myip"
```

NOTE

To connect to ownCloud on a given port (e.g.: **8080**), edit `/var/www/owncloud/config/config.php`. Users can then append the port number to

the URL as `http://<your_owncloud_ip_address>:8080`.

To use a host name in addition to an IP address, configure DNS for your ownCloud server domain and update the trusted domains to include this host name.

2. Configure Cron jobs to enable necessary file and user account synchronization:

```
$ occ background:cron

#Synchronize files between ownCloud server and authorized clients
echo "*/15 * * * * /var/www/owncloud/occ system:cron" \
    > /var/spool/cron/crontabs/www-data
chown www-data.crontab /var/spool/cron/crontabs/www-data
chmod 0600 /var/spool/cron/crontabs/www-data

#Synchronize users between LDAP or Active Directory Server and ownCloud server
echo "*/15 * * * * /var/www/owncloud/occ user:sync 'OCA\User_LDAP\User_Proxy'
-m disable -vvv >> /var/log/ldap-sync/user-sync.log 2>&1" \ >
/var/spool/cron/crontabs/www-data
chown www-data.crontab /var/spool/cron/crontabs/www-data
chmod 0600 /var/spool/cron/crontabs/www-data
mkdir -p /var/log/ldap-sync
touch /var/log/ldap-sync/user-sync.log
chown www-data. /var/log/ldap-sync/user-sync.log
```

3. Configure caching for ownCloud and enable locking while transfers are in progress:

```
$ occ config:system:set #Set caching \
    memcache.local \
    --value '\OC\Memcache\APCu'
```

```
$ occ config:system:set \
    memcache.locking #Set file locking \
    --value '\OC\Memcache\Redis'
```

```
$ service redis-server start
```

```
$ occ config:system:set \
    redis \
    --value '{"host": "127.0.0.1", "port": "6379"}' \
    --type json
```

4. Configure log rotation for efficient management of large files:

```
FILE="/etc/logrotate.d/owncloud" #Set log rotation
sudo /bin/cat <<EOM >$FILE
/var/www/owncloud/data/owncloud.log {
    size 10M
    rotate 12
    copytruncate
    missingok
    compress
    compresscmd /bin/gzip
}
EOM
```

5. Take ownership of your ownCloud installation:

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

```
$ chown -R www-data. owncloud
```

1.3. Additional Resources

- [Apache HTTP Server Version 2.4 Documentation](#)
- [MariaDB Repository Downloads](#)
- [PHP Runtime Downloads](#)
- [Installing ownCloud Server with Docker](#)

Chapter 2. Configuring ownCloud Server

Use these steps to configure your server and grant user access.

2.1. Prerequisites

- Your ownCloud URL and Server Credentials from Step 1 of Section 1.2.4.

2.2. Server Configuration

See the [Configuration](#) section in the ownCloud Administration Guide for server settings applicable to your specific environment.

2.2.1. Creating Users

Grant users access using these steps:

1. Login to your ownCloud server.
2. Click the Admin dropdown in the right corner.
3. Select Users to display a list of created users.
4. Enter the new user`s Login Name and E-Mail Address.
5. Click the Create button.

NOTE

Login name syntax supports letters (a-z, A-Z), numbers (0-9), dashes (-), underscores (_), periods (.) and at signs (@).

2.3. Additional Resources

- [ownCloud Group Management](#)

Chapter 3. User Guide: Installing the ownCloud Client

Use the ownCloud client to automatically synchronize your desired files between a local machine, Android app, or iOS app.

3.1. Prerequisites

- Your ownCloud URL and Server Credentials provided by your ownCloud Administrator.

3.2. Desktop Client

Use the ownCloud desktop client to automatically synchronize desired files on your computer with the ownCloud server.

3.2.1. System Requirements

The ownCloud client supports these operating systems:

operating system	options
Windows 7+	Native WinVFS available for Windows 10 version 1709+.
macOS 10.12+	M1 native support planned for Q4 2022. Unsupported legacy builds for 10.10 and 10.11 available; 64-bit only.
CentOS 7.6+	
Debian 10.0+	
Fedora 34+	
Ubuntu 20.04+	
openSUSE Leap 15.2+	

Table 3.1

3.2.2. Installing the Desktop Client

Download the latest client for your operating system from the Download Desktop App page.

- For Windows and macOS, open the installation file and follow the ownCloud Setup Wizard.
- For Linux, use the applicable installation guide for your distribution.

3.3. Android App

The ownCloud Android app enables you to access files on the go from an Android-based

smartphone or tablet.

3.3.1. System Requirements

- Android 5.0+

3.3.2. Installing the Android App

1. Visit the [Google Play Store](#) to download ownCloud.
2. Open the app and click Add Account.
3. Enter your ownCloud URL
4. Sign in with your credentials.

3.4. iOS App

The ownCloud iOS app enables you to access files on the go from an iPhone or iPad.

3.4.1. System Requirements

- iOS 11+

3.4.2. Installing the iOS App

1. Visit the [App Store](#) on your iPhone or iPad to download ownCloud.
2. Open the app and click Add Account.
3. Enter your ownCloud URL
4. Sign in with your credentials.

3.5. Additional Resources

- [Customizing Windows Desktop Sync Installation](#)
- [Android App FAQ](#)
- [iOS App FAQ](#)