

Manual ownCloud Upgrade

Table of Contents

- [Preparation](#)
- [Upgrade](#)
- [Rollback](#)
- [Troubleshooting](#)

Preparation

This section describes how to manually upgrade your ownCloud installation.

Enable Maintenance Mode

Put your server in [maintenance mode](#) and **disable Cron jobs**. Doing so prevents new logins, locks the sessions of logged-in users, and displays a status screen so that users know what is happening.

There are two ways to enable maintenance mode.

1. The **preferred** method is to use [the occ command](#) – which you must run as your webserver user.

```
# Enable maintenance mode using the occ command.  
sudo -u www-data php occ maintenance:mode --on
```

2. The other way is by changing the value in your `config.php` file and replacing

'maintenance' ⇒ false, to 'maintenance' ⇒ true, .

TIP

In a clustered environment please check that all nodes are in maintenance mode.

Stop the Webserver

With those steps completed, stop your webserver.

```
# Stop the web server
sudo service apache2 stop
```

Backup Your Existing Installation

First, [backup](#) the following items:

1. The complete ownCloud directory
2. The ownCloud server database

```
# This example assumes Ubuntu Linux and MariaDB
# Rename owncloud directory
mv /var/www/owncloud /var/www/owncloud-old-version-number
# Backup the Database
mysqldump -u<username> -p<password> <databasename> > <ownC-
loud-Version-Dump.sql>
```

In clustered environment please check that all nodes are in maintenance mode.

Review Third-Party Apps

Review any installed third-party apps for compatibility with the new ownCloud release. Ensure that they are all disabled before beginning the upgrade. Third party apps are all apps that are not distributed by [ownCloud](#) or not listed in [Supported Apps in ownCloud](#).

1. Disable via Command Line

```
# This command lists all apps by <app-id> and app version
sudo -u www-data php occ app:list

# This command disables the app with the given <app-id>
sudo -u www-data php occ app:disable <app-id>
```

2. Disable via Browser

Goto **Settings > Admin > Apps** and disable all third-party apps

Download the Latest Installation

Download the latest [ownCloud server release](#) where your current installation was. In this example `/var/www/`

```
cd /var/www/
wget https://download.owncloud.org/community/owncloud-10.2.1.tar.bz2
```

NOTE

Enterprise users must download their new ownCloud archives from their accounts on <https://customer.owncloud.com/owncloud/>.

To download the tarball from <https://customer.owncloud.com> you will need a command like this:

```
wget https://username:password@customer.owncloud.com/link-to-tarball
```

Upgrade

NOTE

NOTE

For this description we assume that your existing ownCloud installation is located in the default location: `/var/www/owncloud`. The path might differ, depending on your installation.

Extract the New Source

Extract the new server release in the location of your original ownCloud installation.

```
tar -xvf owncloud-10.2.1.tar.bz2
```

With the new source files now in place of the old ones, next copy the `config.php` file from your old ownCloud directory to your new ownCloud directory:

```
sudo cp /var/www/owncloud-old-version-number/config/config.php /var/www/owncloud/config/config.php
```

If you keep your `data/` directory *inside* your `owncloud/` directory, move it from your old version of ownCloud to your new version:

```
mv /var/www/owncloud-old-version-number/data /var/www/owncloud/data
```

If you keep your `data` **outside** of your `owncloud` directory, then you don't have to do anything with it, because its location is configured in your original `config.php`, and none of the upgrade steps touch it.

Market and Marketplace App Upgrades

Before getting too far into the upgrade process, please be aware of how the Market app and its configuration options affect the upgrade process.

NOTE

The Market app – and other apps from the Marketplace – will not be updated when you

upgrade ownCloud, if `upgrade . automatic-app-update` is set to `true` in `config.php`.

In addition, if there are installed apps (whether compatible or incompatible with the next version, or missing source code) and the Market app is enabled but there is no available internet connection, these apps will need to be manually updated once the upgrade is finished.

Copy Old Apps

If you are using third party or enterprise applications, look in your new `/var/www/owncloud/apps/` directory to see if they are present. If not, copy them from your old `apps/` directory to your new one.

Permissions

To finalize the preparation of the upgrade, you need to set the correct ownership of the new ownCloud files and folders.

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

Start the Upgrade

With the apps disabled and ownCloud in maintenance mode, start [the upgrade process](#) from the command line:

```
# Here is an example on Ubuntu Linux.  
# Execute this within the ownCloud root folder.  
sudo -u www-data php occ upgrade
```

The upgrade operation can take anywhere from a few minutes to a few hours, depending on the size of your installation. When it is finished you will see either a success message, or an error message which indicates why the process did not complete

successfully.

Disable Maintenance Mode

Assuming your upgrade succeeded, next disable maintenance mode.

```
# Disable maintenance mode using the occ command.  
sudo -u www-data php occ maintenance:mode --off
```

Restart the Webserver

With all that done, restart your web server:

```
sudo service apache2 start
```

Finalize the Installation

With maintenance mode disabled, login and:

- Check that the version number reflects the new installation.
It can be reviewed at the bottom of **Settings > Admin > General**.
- Check that your other settings are correct.
- Go to the **Settings > Admin > Apps** page and review the core apps to make sure the right ones are enabled.
- After the upgrade is complete, re-enable any third-party apps that are compatible with the new release.

1. Enable via Command Line

```
# This command enables the app with the given <app-id>  
sudo -u www-data php occ app:enable <app-id>
```

2. Enable via Browser

Go to **Settings > Admin > Apps > "Show disabled apps"** and enable all compatible third-party apps

+ WARNING: Install or enable unsupported apps at your own risk.

Rollback

If you need to rollback your upgrade, see the [Restoring ownCloud](#) documentation.

Troubleshooting

When upgrading ownCloud and you are running MySQL or MariaDB with binary logging enabled, your upgrade may fail with these errors in your MySQL/MariaDB log:

```
An unhandled exception has been thrown:
exception 'PDOException' with the message 'SQLSTATE[HY000]: General
Cannot execute statement: impossible to write to binary log since
BINLOG_FORMAT = STATEMENT and at least one table uses a storage engi
```

Please refer to [MySQL / MariaDB with Binary Logging Enabled](#) on how to correctly configure your environment.

In the unlikely case that files do not show up in the web-ui after the upgrade, use [the files:scan command](#) to make them visible again. Here is an example of how to do so:

```
sudo -u www-data php occ files:scan --all
```

See [the owncloud.org support page](#) for further resources for both home and enterprise users.

Sometimes, ownCloud can get *stuck in a upgrade*. This is usually due to the process taking too long and encountering a PHP time-out. Stop the upgrade process this way:

```
sudo -u www-data php occ maintenance:mode --off
```

Then start the manual process:

```
sudo -u www-data php occ upgrade
```

If this does not work properly, try the repair function:

```
sudo -u www-data php occ maintenance:repair
```

About ownCloud

- Enterprise
- Events
- News
- Privacy policy
- Imprint

Resources

- FAQ
- Help
- Documentation
- Security
- Changelog

Interact

- Rocket.Chat
- Forums
- Get involved
- Discuss ownCloud with others

© Copyright 2011-2018, The ownCloud developers.