



# Conflux

Technical Documentation

Upgrade Guide

Conflux 1.6.0 beta 1

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## Introduction

This document describes the process of upgrading Conflux Professional installations with versions above and including 1.3.0. If you do not have an existing Conflux installation, please consult the “Conflux Installation Guide” document instead.

**NB!** If you have a non-standard Conflux installation with custom changes, do not use the standard upgrade package. Contact the Inversion Software OÜ support department for further details on the availability of an upgrade package for your installation.

## Upgrading from versions earlier than 1.3.0

Upgrades from versions earlier than 1.3.0 cannot be performed automatically. To get support and instructions for such upgrades, please contact the Inversion Software OÜ support department.

## Upgrading from versions starting from 1.3.x to version 1.5.x

The Conflux webpage offers downloadable upgrade packages for the following operating systems and processor architectures:

- Linux – x86 (separate packages for Python 2.3 and Python 2.4)
- Linux - amd64 (separate packages for Python 2.3 and Python 2.4)
- Windows - x86 (the installation package also contains the upgrade functionality)

For details see section “Upgrade guidelines for up to version 1.5.x”.

## Upgrading to version 1.6.x or later

Starting from version 1.6.0 Conflux is installed and upgraded through the installation of RPM and DEB packages. After upgrading, please run the following command to upgrade the database schema if needed:

```
python /opt/conflux/lib/conflux/core/conflux_updater.pyc
```

## Upgrading from versions earlier than 1.6.0

Since the installation location and document repository hierarchy was changed in version 1.6.0, you will need to manually perform the following steps to upgrade Conflux from version 1.5 to 1.6:

1. Since Conflux versions 1.5 and 1.6 use widely different versions of base components and support different operating system versions, it is strongly recommended to install Conflux 1.6 to a clean server with a supported operating system.
2. Back up `/var/lib/conflux/lib/DOCROOT`, `/var/lib/conflux/lib/DOCBACKUP`, `/var/lib/conflux/lib/BACKUP` and the database on the old server, for example:
  - a. `cd /var/lib/conflux/lib/`  
`tar -czf conflux_files_bk.tar.gz DOCROOT DOCBACKUP BACKUP`
  - b. `pg_dump -U postgres -f conflux_db_bk.sql confluxpro`  
Note: if the new server has a newer PostgreSQL version available, it is strongly recommended to use the newer version’s `pg_dump` executable to create the database backup (over the network, `pg_dump -h old_host_name -U postgres -f conflux_db_bk.sql confluxpro`)
3. Install the Conflux 1.6 RPM or DEB package, but do not configure the database or `/etc/conflux.conf` yet, also do not run `conflux_updater.pyc` yet.

4. Create the *conflux* database user and the *conflux* database as described in the installation guide.
5. Load the *conflux\_db\_bk.sql* backup file into the new database, for example:  
`psql -U postgres conflux -f conflux_db_bk.sql`
6. Unpack the document backup into */opt/conflux/data/*, for example:  
`cd /opt/conflux/data/  
tar -zxf conflux_files_bk.tar.gz`
7. Configure the application settings in */etc/conflux.ini*
8. Update the database schema and document repository hierarchy:  
`python /opt/conflux/lib/conflux/core/conflux_updater.pyc`
9. Fix file permissions:  
`cd /opt/conflux/data/  
chown -R apache:apache DOCROOT DOCBACKUP BACKUP (on RHEL/CentOS/SL)  
chown -R www-data:www-data DOCROOT DOCBACKUP BACKUP (on Debian/Ubuntu)`

## Upgrade guidelines for up to version 1.5.x

To upgrade your Conflux installation, download the appropriate upgrade package from the Conflux website (named as *upgrade\_conflux\_to\_\${VERSION}\_\${ARCH}.py.gz*) and follow these guidelines as the "root" user:

1. Unpack the file:  
`gzip -d upgrade_conflux_to_${VERSION}_${ARCH}.py.gz`
2. Execute the file:  
`python upgrade_conflux_to_${VERSION}_${ARCH}.py.gz`
3. The package will then try to detect the installation paths for Conflux. If you have used non-standard paths, please enter the correct paths when asked for them.
4. The package will display the detected installation paths and will ask you to confirm them. Enter 'yes' to continue, anything else to exit the program.
5. Once the detected settings have been confirmed, the package will perform the following tasks:
  - a. Make a backup of *lib*, *daemon*, *help* and *web-root* folders
  - b. Stop the background Conflux daemon
  - c. Read in and remember the installation's existing *\_ConfUser.py* settings
  - d. Update the installation files
  - e. Update the new *\_ConfUser.py* settings to their original values
  - f. Update the database schema by running *conflux\_updater.py*
6. Starting from version 1.4.0, Conflux Professional will use the system's init scripts to start and stop the Conflux background daemon. The upgrade script will stop the old daemon, but you will have to install the service manually in the following way:
  - a. `chmod +x /var/lib/conflux/daemon/confluxd`
  - b. `cp /var/lib/conflux/daemon/confluxd /etc/init.d/`
  - c. `chkconfig --add confluxd`
  - d. `/etc/init.d/confluxd start`

7. After the update package has completed it's work, please restart the Apache2 webserver to load the new code and settings. **NB!** Not doing this may result in program errors and data loss.