



Conflux

Conflux Professional
Technical Documentation
Installation Guide for Windows
v1.5.0

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1. Minimum Hardware Requirements

Conflux Professional requires an Intel x86 compatible computer architecture to run on. The amount of required hardware resources depends on the number of concurrent users actively using the software installation.

Number of concurrent users	Processor	RAM	Disk setup	Network connectivity
1-10	PIII 1GHz	512MB	IDE No RAID/RAID1	100Mbit
11-25	PIII 1GHz+	1GB	IDE No RAID/RAID1	100Mbit
26-50	P4 2GHz	1GB	IDE RAID1/10	100Mbit
59-100	Xeon 1.8GHz Opteron 242	1GB	SCSI No RAID or RAID1	100Mbit
101-150	(Dual) Xeon/Opteron	2GB	SCSI RAID1/5/10	100/1000Mbit
200+	Dual Xeon/Opteron	2GB	SCSI RAID5/10	100/1000Mbit

Tested and supported processor platforms are:

- Intel Pentium III
- Intel Pentium 4
- Intel Pentium Xeon
- AMD Athlon
- AMD Opteron

2. Software Requirements

2.1 Operating System

Conflux Professional is designed to run on x86-compatible Linux platforms. In general, all Unix-like operating systems that support Apache2, Python and PostgreSQL will most likely be suitable for running Conflux, but official support is only offered according to the table below.

Operating System	Intel PIII/P4/Xeon	AMD Athlon	AMD Opteron	IBM G5
SUSE 9.0	X	X	X	N/A
SUSE 9.1	X	X	X	N/A
Red Hat 9	!	!	N/A	N/A
Fedora Core 1	!	!	!	N/A
Fedora Core 2	X	X	X	N/A
RHEL 3	!	!	!	N/A
Debian sarge/sid	!!	!!	!!	N/A
Gentoo	!!	!!	!!	N/A
FreeBSD	!!	!!	!!	N/A
OS X	N/A	N/A	N/A	!!
Solaris	!!	!!	N/A	N/A
Windows 2000	!	!	!	N/A
Windows XP	!	!	!	N/A

X - supported platform

! - supported, but requires upgrades from standard OS component versions

!! - not officially supported, but reported to be working

- - not a supported platform

N/A - not supported by OS distribution

2.2 Software components

The following non-included software components are required for running Conflux Professional on the Microsoft Windows platform:

- Apache2 webserver
Version: 2.0.55
Source: <http://httpd.apache.org/download.cgi>, Win32 Binary (MSI Installer)
- Python programming language
Version: 2.3.5
Source: <http://www.python.org/2.3.5/>, Python-2.3.5.exe
- Python Imaging Library
Version: 1.1.5
Source: <http://www.pythonware.com/products/pil/>, Python Imaging Library for Python 2.3
- mod_python, the Apache2/Python integration module
Version: 3.1.3 or 3.2.8 (recommended)
Source: <http://apache.datanet.ee/httpd/modpython/win/3.2.8/>, mod_python-3.2.8.win32-py2.3.exe
- PostgreSQL database engine
Version: 8.0.4
Source: <ftp://ftp.ee.postgresql.org/mirrors/postgresql/binary/v8.1.3/win32/postgresql-8.1.3-1.zip>
- eGenix mx BASE package for Python 2.3
Version: 2.0.6
Source: <http://www.egenix.com/files/python/eGenix-mx-Extensions.html#Download-mxBASE>, Windows installer for Python 2.3
- Python win32 Extensions
Version: build 205
Source: http://sourceforge.net/project/showfiles.php?group_id=78018, pywin32-205.win32-py2.3.exe
- PyXML XML library
Version: 0.8.4
Source: http://sourceforge.net/project/showfiles.php?group_id=6473, PyXML-0.8.4.win32-py2.3.exe

3. Installation

This section contains detailed step-by-step installation guides for Microsoft Windows 2000 and Windows XP platforms. If your operating system is currently not supported, please contact Inversion Software for technical support or try to follow the general guidelines given below.

NB! The Conflux Professional for Windows v1.3.0 installer required the user to install the software dependencies (web server, database server etc) to default folders on the C: drive. Since the release of Conflux Professional for Windows v1.3.1.5 this is no longer required and Conflux is able to automatically detect and configure required parameters during the installation.

3.1 Windows 2000, Windows XP

Required packages:

Download the required files listed in section 2.2 of this guide. Always download the exact versions specified.

Installing the PostgreSQL database engine:

1. Unzip the postgresql-8.1.3.zip file.
2. Double click on postgresql-8.1.msi file to start the installation process.
3. On "Installation options" page, select at least the following components:
 - Database Server
 - Data directory
 - User interfaces
 - psql
4. On "Service configuration" page:
 - Check the "Install as a service" checkbox
 - Fill out the other fields on the form and write down the account name and password
5. On "Initialize database cluster" page:
 - Check the "Initialize database cluster" checkbox
 - Leave "Port number" value to default (5432)
 - Do not check "Accept connections on all addresses, not just localhost" unless you know you will need this
 - Select appropriate "Locale" or if not found, leave at "C"
 - Select "UNICODE" as "Encoding"
 - Leave "Superuser name" as "postgres"
 - Fill out the password fields and write them down as "Postgresql superuser password"
6. On "Enable procedural languages" page:
 - Check the "PL/pgsql" checkbox
7. On "Enable contrib modules" page:
 - No special modules are required by Conflux Professional, but if you chose pgAdmin on the "Installation options" page, the default selection would be appropriate.

Installing the Apache2 web server:

1. Double click on the apache_2.0.55-win32-x86-no_ssl.msi file to start the installation process.
 2. On "Server Information" page:
 - Fill out the form with appropriate data for your server
For testing purposes, you can use "localhost" for the first two fields and a valid e-mail address for the administrator e-mail
 - Select "for All Users, on Port 80, as a Service -- Recommended" option.
 3. On "Setup Type" page:
 - Select "Typical" installation.
- NB! If during the installation your firewall software asks whether to keep blocking the Apache program, select to **UNBLOCK**.

Installing the Python programming language:

1. Double click on the Python-2.3.5.exe file to start the installation process.
2. On "Select Components" page:
 - At the minimum, check the "Python interpreter and libraries" and "Tcl/Tk" checkboxes

Installing the eGenix mx BASE package for Python 2.3:

1. Double click on the egenix-mx-base-2.0.6.win32-py2.3.exe file to start the installation process.

Installing the mod_python 3.1.3 for Apache2 module:

1. Double click on the mod_python-3.2.8.win32-py2.3.exe file to start the installation process.

Installing the Python Imaging Library for Python 2.3:

1. Double click on the PIL-1.1.5.win32-py2.3.exe file to start the installation process.

Installing the Python win32 Extensions:

1. Double click on the pywin32-205.win32-py2.3.exe file to start the installation process.

Installing the PyXML library:

1. Double click on the PyXML-0.8.4.win32-py2.3.exe file to start the installation process.

Installing Conflux Professional:

1. Double click on the setup_1.4.2.exe file to start the installation process.
2. On the "Finish" page, leave "Configure (or upgrade) Conflux software" checked and click Finish. Once the "DOS Command Prompt" window announces success and closes, you are ready to use Conflux. If the configuration program fails, please write down the program output and contact Inversion Software OÜ at support@inversion.ee for custom installation support. The free 5-user package of Conflux Professional for Windows does not currently have custom-installation support included.

You can now log into Conflux at <http://yourserver.com/>.

Administrator username is 'superuser'.

Administrator default password is 'conflux'.

NB! To avoid any security risks change the password after you log in.

4. Upgrading

Conflux Professional 1.3.0 for Windows did not support an automatic version updater. To obtain upgrade instructions for that version, please contact Inversion Software OÜ at support@inversion.ee with your support contract number and the version info for the existing and new Conflux versions. Upgrading Conflux Professional version 1.3.1.5 and later is supported by the installation setup file.

5. Uninstalling

NB! Uninstalling Conflux software will not delete the database contents or uploaded files from your system. Re-installing to a system left in such state is not possible. To ensure a clean system, follow the guidelines below.

5.1 Uninstalling Conflux Professional v1.3.0

To uninstall Conflux Professional for Windows v1.3.0, do the following:

1. Uninstall Conflux software by using the Uninstall Start Menu entry
2. Remove references to Conflux configuration files from Apache httpd.conf file
3. Remove references to "confluxpro" database from PostgreSQL pg_hba.conf file
4. Connect to database template1 as user "postgres" and drop the database "confluxpro" and user "conflux"
5. Remove the Conflux program folder from C:\Program Files\

5.2 Uninstalling Conflux Professional v1.3.1 or later

To uninstall Conflux Professional for Windows v1.3.1, do the following:

1. Uninstall Conflux software by using the "Uninstall" Start Menu entry
2. Connect to database template1 as user "postgres" and drop the database "confluxpro" and user "conflux"
3. Remove the Conflux program folder.

* Steps 2 and 3 remove the database contents and the uploaded files. Conflux uninstaller does not remove this data.