



# *Conflux*

**Conflux Professional**  
**Technical Documentation**  
**Installation Guide for Windows**  
**v1.3**

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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.

<b>Number of concurrent users</b>	<b>Processor</b>	<b>RAM</b>	<b>Disk setup</b>	<b>Network connectivity</b>
1-10	PIII 1GHz	512MB	IDE No RAID/RAID1	10/100Mbit
11-25	PIII 1GHz+	512MB	IDE No RAID/RAID1	100Mbit
26-50	P4 2GHz	512MB	IDE RAID1/10	100Mbit
59-100	Xeon 1.8GHz Opteron 242	512-1024MB	SCSI No RAID or RAID1	100Mbit
101-150	(Dual) Xeon/Opteron	1024MB	SCSI RAID1/5/10	100/1000Mbit
200+	Dual Xeon/Opteron	2048MB	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: 2.0.52  
Source: <http://httpd.apache.org/download.cgi>, Win32 Binary (MSI Installer)
- Python programming language  
Version: 2.3.4  
Source: <http://www.python.org/2.3.4/>, Python-2.3.4.exe
- Python Imaging Library  
Version: 1.1.4  
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  
Source: <http://httpd.apache.org/modules/python-download.cgi>, mod\_python-3.1.3.win32-py2.3.exe
- PostgreSQL database engine  
Version: 8.0.0  
Source: <ftp://ftp.ee.postgresql.org/mirrors/postgresql/win32/postgresql-8.0.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 203  
Source: <http://prdownloads.sourceforge.net/pywin32/pywin32-203.win32-py2.3.exe?download>

## 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.

### 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-8.0.zip file.
2. Double click on postgresql-8.0.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 "SQL\_ASCII" 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\_2.0.52-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-2.3.4.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-3.1.3.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-1.1.4.win32-py2.3.exe file to start the installation process.

## Installing the Python win32 Extensions:

1. Double click on the pywin32-203.win32-py2.3.exe file to start the installation process.

## Installing Conflux Professional:

1. Double click on the setup.exe file to start the installation process.
2. If you did **NOT** change the default installation folders for PostgreSQL and Apache2:
  - On the "Finish" page, leave "Configure PostgreSQL and Apache2 for Conflux" checked and click Finish. Once the "DOS Command Prompt" window announces success and closes, you are ready to use Conflux.
3. If you **DID** change the default installation folders for PostgreSQL and Apache2, contact Inversion Software OÜ at [support@inversion.ee](mailto: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 for Windows does not currently include an automatic version updater. To obtain upgrade instructions, please contact Inversion Software OÜ at [support@inversion.ee](mailto:support@inversion.ee) with your support contract number and the version info for the existing and new Conflux versions.