

# ST-analyzer

## Windows installation

Ver. 0.1.0

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## Objective

This tutorial guides how users can install ST-analyzer into Windows.

# Installing ST-analyzer into Windows

Installing ST-analyzer into Windows system requires Linux emulator that makes Linux-like system environment. Therefore, besides installing the emulator, rest of procedures is similar to those in Linux.

## 1. Install Cygwin,

- a) download setup-x86.exe from <http://www.cygwin.com/>
- b) run setup-x86.exe, select packages: gcc, gfortran, python, python setuptools, lapack and numpy

## 2. Install scipy

- a) download source code of scipy, blas and atlas, and move them to somewhere in cygwin, e.g, ~/temp. After copying the files from Windows to Cygwin, you may need to change the permission using *chmod*
  - b) unzip blas and atlas
    - tar -xjvf atlas3.11.11.tar.bz2
    - tar -xzvf blas.tgz
  - c) set up environmental variables
    - export BLAS\_SRC=~/temp/BLAS
    - export ATLAS\_SRC=~/temp/ATLAS
  - d) unzip and install scipy
    - tar -xzvf scipy-0.12.0.tar.gz
    - cd scipy-0.12.0
    - python setup.py install
- **Note:** If you want to compile BLAS and ATLAS by yourself to get optimal performance, check this page:
  - <http://www.scipy.org/scipylib/building/index.html>

## 3. Install MDAnalysis

- tar -xzvf MDAnalysis-0.7.7.tar.gz
- cd MDAnalysis-0.7.7
- python setup.py install

## 4. Run ST-Analyzer

- cd ST-analyzer-master/stanalyzer
- python manage.py runserver 8000