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