

Cygwin and SAL installation

Cygwin is a Unix-like environment that runs on Windows. If you want to use SAL (or Yices) in Windows, you must first install Cygwin. For Windows XP, this goes as follows (please add corrections for other versions of Windows):

1. Download and install the 32-bit version of cygwin from <https://www.cygwin.com/setup-x86.exe>, you can use the default packages (this may take a few minutes).
2. You should now be able to start Cygwin (it puts an icon on the desktop by default). You will see a tty-like window. Type `pwd` this will tell you the current directory in Cygwin terms. It should be something like `/home/foo` where `foo` is your Windows user name. This Cygwin directory will most likely correspond to the Windows directory `c:\cygwin\home\foo`.
 - If your user name has spaces in it, you will need to create a directory without spaces. The easy way to do this is to create a link: e.g., `ln -s /home/foo\ with\ spaces foo_no_spaces`
3. From your Windows browser, download the [SAL for Cygwin](#) file into this directory.
4. In Cygwin, type `tar xzf sal-3.3-bin-i686-pc-cygwin.tar.gz` (the tab key provides completion, and the filename will change with different versions of SAL).
5. Then type `cd /home/foo/sal-3.3` (or whatever the current version is), where `foo` is the name without spaces, and then `/install.sh`
6. [This step is optional for MAASC] Using a Unix editor, edit the file `/home/foo/.bashrc`, or with a Windows editor, the file `c:\cygwin\home\foo\.bashrc`, and append the following lines (again, `foo` is the name without spaces)
 - `PATH=/home/foo/sal-3.3/bin:$PATH`
 - `export SALCONTEXTPATH=./$HOME/`
7. Finally, exit Cygwin and start it again and SAL should run nicely (try typing `sal-smc --help`).