

Getting Started with SICStus:

1. Set the location of SICStus in your profile and add its *bin* directory to your path:
 - a. `setenv SICSTUS_HOME /nfsvol/crfiler-ind/II_Research/SICStus/sp-4.2.1-x86-linux-glibc2.5`
 - b. `setenv PATH ${PATH}:${SICSTUS_HOME}/bin`
2. Ensure that SAW_HOME and SKR_HOME variables in your profile point to the correct SICStus directories and that *bin* directories are in your path. Assuming SAW and SKR directories contain the source code:
 - a. `setenv SAW_HOME ${HOME}/specialist/SAW`
 - b. `setenv SKR_HOME ${HOME}/specialist/SKR`
 - c. `setenv PATH ${PATH}:${SAW_HOME}/bin:${SKR_HOME}/bin`
3. Set up *sicstus.ini* in your home directory. The file currently looks like the following:
 - a.

```
- use_module(library(system), [environ/2]).  
:- set_prolog_flag(source_info,emacs).  
:- set_prolog_flag(redefine_warnings,off).  
:- environ('SKR_HOME', SKRHOME),  
   atom_concat(SKRHOME, '/prolog/init.pl', InitFile),  
   compile(InitFile).
```
4. *.emacs* configuration file in the home directory also needs to be changed to work with SICStus. Add the following line:
 - a. `(load "/nfsvol/crfiler-ind/II_Research/SICStus/sp-4.2.1-x86-linux-glibc2.5/lib/sicstus-4.2.1/emacs/sicstus_emacs_init")`
5. Assuming that SAW_HOME and SKR_HOME directories have been copied, the compilation script for SemRep is *linkSICStus_SAW* in *SAW_HOME/bin*. Use the options *-P -H*. Run this script while in *SAW_HOME/src*.
 - a. `linkSICStus_SAW -P -H`
6. *a.out.Linux* executable is created if there are no compilation errors. To run this executable, use the following command:
 - a. `SAWenv ./a.out.Linux <other command line options>`

7. To run Emacs source-linked debugger, use the following command:

- a. *SAWs -H -F "<other command line options>" (note the quotes)*
- b. *To spy to a predicate, type "spy(module_name:predicate)". To display the bindings window, use C-c C-g command.*
- c. *To expand the terms in bindings window, before starting debugging, do this after spy.*
 - i. *X=1.*
 - ii. *And once that goes through, type "<0."*
- d. *To expand the window with calls, just type in "<0" in that window.*