

README file for the unix-xwindows subdirectory
Last modified on Thu Oct 20 00:01:05 1994 by eroberts

The unix-xwindows directory contains an implementation of the cslib library designed for use with XWindows (version X11) on Unix systems. The development and testing of the package has been performed using the gcc compiler, which is available without charge from the GNU project at MIT. The procedure described below may work with other compilers as well, but the results are far less certain.

TO INSTALL THE UNIX/XWINDOWS VERSION OF THE LIBRARIES ON YOUR MACHINE:

1. Use FTP to retrieve the file cslib.shar from the unix-xwindows directory of the aw.com archive to the home directory on your machine.

2. Execute the cslib.shar script by typing

```
sh cslib.shar
```

Executing the script creates a top-level directory called cslib that contains all of the relevant files.

3. Connect to the cslib directory.
4. Rebuild the object files and libraries by typing

```
make
```

Note: This step assumes that you are using gcc as your compiler. If you want to use a different compiler, you will need to edit the Makefile accordingly.

5. Copy the file gccx from the cslib directory into a directory on your command search path. If you will be the only person using the libraries, you could put this file in your private command directory, which is usually ~/bin. If you are installing this command for use by any user on the system, you will need to put it in a public directory, such as /usr/local/bin. For public installation to work, your cslib directory must be readable by other users.

COMPILING PROGRAMS ON AN XWINDOWS SYSTEM

The gccx command produced by the Makefile is a shell script that acts like gcc except that it automatically arranges to include the cslib header files and libraries whenever it is invoked as a command. For example, to create an executable application from the source file house.c, all you need to do is type:

```
gccx -o house house.c
```

NOTES AND DISCLAIMERS

The cslib libraries are in the public domain and may be freely copied and distributed, although they remain under development. No warranties are made concerning their correctness or stability, and no user support is guaranteed. Bug reports and suggestions, however, are appreciated and may be sent to

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