Using gtkmm on the student.cs Environment

CS 246 SE

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1 Servers with gtkmm

The servers in the student.cs environment that have gtkmm installed are

- linux.student.cs.uwaterloo.ca (Ubuntu 9.10)
- cpu-linux.student.cs.uwaterloo.ca (Ubuntu 8.04)

2 Using gtkmm with ssh

To use gtkmm through an ssh connection, X11 forwarding must be used. To enable X11 forwarding include either the -X or -Y flags in the ssh command.

```
ssh -X cjdevet@linux.student.cs.uwaterloo.ca
```

The -Y flag has the same functionality as the -X flag, but should only be used for machines with trusted clients as it not subject to some of the security controls used with -X.

3 Debugging gtkmm Over ssh Connections

You may experiencing some trouble with using gtkmm over an ssh connection. A common error message is

```
Gtk-WARNING **: cannot open display:
```

When having trouble using gtkmm over an ssh connection, first try removing all of the files starting with .Xauth in your home directory.

```
$ cd ~
$ pwd
/u1/cjdevet
$ rm .Xauth*
```