Compilation Hints
Based on 1.00 Compilation Hints

Overview

This handout contains details of how to enhance your athena account and expedite the compilation of code using *g++*, the *Cygnus GNU* C++-compiler.

The compilation process may be simplified by spending a few minutes customizing your dot files [1]. A *dotfile* is a file containing instructions and information about how you want to customize your account at startup. These files are read when you log in. A complete list of valid "dotfiles" is specified in the Athena dotfiles document. If you have not made customizations before, you will have to create each new customization file you want to use (e.g. using **emacs**). If the files referred to below already exist in your account then you need only add the instructions specified below. Each customization file should be placed in your *home directory.* Remember to start the filename with a "dot", for example *.environment.* To list your dotfiles use the UNIX command *ls -a* at the xterm prompt.

Adding the cygnus locker to your account:

In the file named *~/.environment* [2], add the following line, which will add the Cygnus locker to your default path automatically when you login, so you don't have to do it explicitly every time.

```
add cygnus
```

Aliasing Frequently Used Commands:

In a file called *~/.cshrc.mine*, add the following line: *It will save you quite a bit of typing in this course.*

```
setenv hosttype ${hosttype}
```

If you have any questions about custommizing your dotfiles, please ask the 1.12 TA.

[1] *There is a free Athena document that describes how to customize your dotfiles called "Dotfiles: Customizing Your Athena Session". If you do not have this document and feel unsure about the instructions given here please consult the 1.12 TA or olc before going further*

[2] *The characters ~/ before a filename refers to your home directory, for example /mit/username/.environment can be referred to as ~/.environment*