**How to Compile**

**For Nummies**

Because this program requires the Linux API, we can only focus the instructions on the GNU/Linux platform. Thus, in order to compile this software as a whole, you must use any Linux distributions. An example would be Linux Mint, Ubuntu, Debian, Suse, Archlinux, and many more.

***Compiling Dependencies***

In order to compile this software, the host system may need very minor dependencies. Because it is minor, you shouldn’t need to worry about obtaining the required dependencies – as most systems come with the packages already. However, if incase – listed below is the required dependencies:

**Dependencies:**

* The host system must be up-to-date
* Supports the TCP/IP Suite
* The compiler cc is installed and ready for use.
  + You can easily install this package by using the following command:
    - sudo apt-get install cc

***How to Compile using GNU/Linux***

Because this software is geared towards the Linux platform, a make file is already available to easily compile the software in an expeditious manner. Below, is the commands that the Makefile supports.

**NOTE:** *You must have the terminal within the same directory as the makefile!*

**Makefile Supported Commands**

|  |  |
| --- | --- |
| **Compile Instruction** | **Compile Command** |
| Compile Everything | make |
| Compile Server | make server |
| Compile Client | make client |
| Remove all Binary Files | make clean |