

Open a terminal session.

You will need to grant root privs to the java executable to allow CrushFTP (a java application) to be able to open port 21. If this seems like to much of a security risk to you, you could also map say port 21 on the Linux box to say port 2000, and then run CrushFTP on port 2000. Giving root privs is my only known work around so far otherwise to allow a java application to open a "reserved"port. Here is an example command. You will have to modify it to point to the correct directories for your java installation.

```
sudo chmod u+s  
/System/Library/Frameworks/JavaVM.framework/Versions/1  
.3.1/Commands/java
```

PLEASE NOTE!!!!!!!!!!!!!!!!!!!!!!

The reason why this is necessary is because ports below 1025 (such as "21" that an FTP server runs on) are considered reserved ports. Why? Legacy. So, in order to open a server on port 21 you must have permissions. Either log into the computer as root (not recommended), or run the server as if you were the root user (many servers implement this one way or another.)

The command you pasted will allow CrushFTP root access to your computer. It will also allow **any** other .jar file you double click on root access. You have been warned! That said...it works very nice like this. It works like MacOS 9, Windows, even some Linux distros.

Finally, to reverse the command and return the privileges back to normal, use a "-" instead of the "+".

```
sudo chmod u-s  
/System/Library/Frameworks/JavaVM.framework/Versions/1  
.3.1/Commands/java
```