Linux Instructions

Every linux distro is slightly different. This guide is intended to cover the basics and show you around some of the ways you can configure and work with CrushFTP.

The assumption is that you are doing this install headless.

Java
First, make sure Java is installed properly. By default most linux distros come with a free version of Java that won't work with CrushFTP. Make sure its an official Sun java, or other suitable JVM.

Type:
```
java -version
```

If it mentions GNU, its not the right one.

To run Java, you may need to specify the full path to the java binary. Something possibly like /usr/java/jre1.5.0_11/bin/java. Its going to depend on where you installed it.

Starting CrushFTP
The key here is making sure you are in the CrushFTP directory (so its the working directory), and using the "-d" option to start in daemon mode. If you are not in the right directory when you start CrushFTP, it will start generating a new prefs.xml file and users folder from the new location where you started it.

```
sudo java -jar CrushFTP.jar -d
```

You may also want to start it so it stays running even when you logout.

```
sudo nohup java -jar CrushFTP.jar -d&
```

The "-?" option will list various command line options you can use:

```
java -jar CrushFTP.jar -?
```

Alternate Method
There is a script provided to give you the basics of starting and stopping CrushFTP. It might be overkill for your situation, but you are welcome to use it and modify it for your needs. The script is "crushftp_init.sh". Be sure to get the paths correct when using it.

Generating an Admin User
While you technically can do everything with CrushFTP from the command line and editing text XML files, its much easier to use a GUI to do this. You can use remote administration with CrushFTP in order to remote control a headless server. This lets you have a full GUI controlling the headless linux installations of CrushFTP.

To make your user for doing this, use a command like this:

java -jar CrushFTP.jar -a "username" "password"

This will make a new user, and write it to the default location...users/lookup_21/username/.

You can then login using this username from a ftp client, or via the remote admin interface of CrushFTP. See my video on setting up a remote admin connection. The basics are opening CrushFTP, clicking manage servers button in the upper right. Add a new item, click on it and set the URL to match the credentials of the user you just made. Click apply, then click OK to close the manage servers window. Finally, select your server from the drop down and wait as CrushFTP connects to your server and gives you a remote admin interface to the GUI of the headless server.

Stopping CrushFTP
To kill CrushFTP, you can do it one of two ways. The standard kill method will definitely work in stopping the server. Its safe to use as CrushFTP takes precautions against issues that could arise.

You can also do it from a script. Let me explain. CrushFTP supports the "SITE QUIT" command if it has been enabled in the User Manager under the Admin tab for a user. So you can have a scripted command that simply logs into the server, issues SITE QUIT, then logs out. The server will then gracefully quit saving any unsaved data to disk before exiting.

Here is an example shell script to login with FTP with a provided script:

```
#!/bin/sh
ftp -n < ftp.txt
```

You would then put the following into a ftp.txt file:

```
open 127.0.0.1
quote user admin
quote pass password
quote site quit
quote quit
```

Provided a user named "admin" exist, and they have permission to execute that command, CrushFTP will terminate once the user logs out.

Generating a Password With CrushFTP from the Command Line
CrushFTP supports a "-p" option to encrypt a password. This is especially useful if you are manipulating CrushFTP user.xml files directly.

```
java -jar CrushFTP.jar -p thePassword DES
```