
Subject: Re: LINUX IDL Install Help

Posted by [swingnut](#) on Sun, 23 Jul 2006 23:11:08 GMT

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I looked into this a back when I first installed Ubuntu; sounds like it's trying to do a Red Hat install, whereas you want a Debian (enough locations are different that like can be a pain). From <http://astro.berkeley.edu/~robishaw/comp/idl.html>, here is a list of things to change:

Installing IDL on my Debian laptop was a pain because the IDL install software assumes Redhat Linux. Lame. So here's what needed changing.

First, change the `lmgrd_install` script in your `/usr/local/rsi/idl/bin` directory (or wherever the hell you've put it... this is the default location). Go down to the "Linux") option in the case statement and comment out the junk they've put there and stick the stuff below in...

```
# THIS ASSUMES WE'RE USING RED HAT...
# RED HAT RUN LEVELS ARE STORED IN /etc/rc.d/rc[0-6].d/
# DEBIAN RUN LEVELS ARE STORED IN /etc/rc[0-6].d/
#cp sys5_idl_lmgrd /etc/rc.d/init.d
cp sys5_idl_lmgrd /etc/init.d
# if [ -f /etc/rc3.d/S99sys5_idl_lmgrd ]; then
# rm -f /etc/rc3.d/S99sys5_idl_lmgrd
# fi
# if [ -f /etc/rc4.d/S99sys5_idl_lmgrd ]; then
# rm -f /etc/rc4.d/S99sys5_idl_lmgrd
# fi
# if [ -f /etc/rc5.d/S99sys5_idl_lmgrd ]; then
# rm -f /etc/rc5.d/S99sys5_idl_lmgrd
# fi
# if [ -f /etc/rc0.d/K01sys5_idl_lmgrd ]; then
# rm -f /etc/rc0.d/K01sys5_idl_lmgrd
# fi
# ln -s /etc/rc.d/init.d/sys5_idl_lmgrd /etc/rc3.d/S99sys5_idl_lmgrd
# ln -s /etc/rc.d/init.d/sys5_idl_lmgrd /etc/rc4.d/S99sys5_idl_lmgrd
# ln -s /etc/rc.d/init.d/sys5_idl_lmgrd /etc/rc5.d/S99sys5_idl_lmgrd
# ln -s /etc/rc.d/init.d/sys5_idl_lmgrd /etc/rc0.d/K01sys5_idl_lmgrd
ln -sf /etc/init.d/sys5_idl_lmgrd /etc/rc3.d/S99sys5_idl_lmgrd
ln -sf /etc/init.d/sys5_idl_lmgrd /etc/rc4.d/S99sys5_idl_lmgrd
ln -sf /etc/init.d/sys5_idl_lmgrd /etc/rc5.d/S99sys5_idl_lmgrd
ln -sf /etc/init.d/sys5_idl_lmgrd /etc/rc0.d/K01sys5_idl_lmgrd
# I'M GOING TO ADD ONE TO RUN LEVEL 2 TO SEE WHAT HAPPENS...
# AND THIS IS WHAT IT NEEDED... HOURS WASTED...
ln -sf /etc/init.d/sys5_idl_lmgrd /etc/rc2.d/S99sys5_idl_lmgrd
```

OK, next you need to alter the sys5_idl_lmgrd script in the same directory. Go down to the "start") option of the case statement and, as above, comment out and add the stuff as below:

```
# WE DON'T WANT TO RUN THIS AS ROOT... IT'S DANGEROUS...  
# "start") $IDL_DIR/bin/lmgrd >> $LOG_FILE_NAME &  
  "start") su -c "umask 022;$IDL_DIR/bin/lmgrd &"  
    sleep 5 ;;
```

Now we can test this by running:

```
> sudo sys5_idl_lmgrd start
```

and now try running IDL and see if the license is recognized.

I had to (as root) create a subdirectory /usr/tmp which I just linked to /var/tmp...

```
> sudo ln -s /var/tmp /usr/tmp
```

Now, it's good to go.

June 2006: One more hitch I discovered... to get the IDL assistant to work correctly, I needed to give the user ownership of the directories ~/.assistant and ~/.qt (and the contents of these directories as well). This fixed my problems.
